15521. GW107

GGE
a member of the GLYNN GROUP

Civil • Structural • Geotechnical • Materials Testing • Consulting

RECEIVED
NYSDEC - REGION 9
JAN 05 2010
FOIL
_____REL _____UNREL

December 29, 2009

Moran & Associates
6500 Main Street
Williamsville, New York 14221

Attn: Mr. Bill Moran

Subject: **Lancaster Sanitary Landfill**
**3rd Quarter 2009 Groundwater Analysis**
**GGE 98-1047**

Dear Mr. Moran:

Upstate Laboratories Inc. performed the 3rd Quarter 2009 groundwater sampling event for the Lancaster Sanitary Landfill on October 22, 2009. Enclosed you will find a summary of the sampling event, historical data summaries and a site plan indicating groundwater sampling locations. The wells included in this sampling event are as follows: W-2, W-3, W-5A, W-6, W-8, W-A, W-B, W-D, W-E and W-H.

Please contact GGE if you should have any questions.

Sincerely,

Matthew J. Lengel, EIT, CDT
Project Engineer

12.30.09

Mark W. Glynn, P.E.
Consulting Engineer, Principal

/mjl

encl.: event summary, historical data summaries, site plan

cc: Ms. Mary McIntosh
NYSDEC
270 Michigan Avenue
Buffalo, New York 14203-2999

GLYNN GEOTECHNICAL ENGINEERING

415 South Transit Street, Lockport, New York 14094
voice 716.625.6933 / fax 716.625.6983
www.glynngroup.com

Lancaster Sanitary Landfill
3rd Quarter 2009
Sampling Event Summary
GGE 98-1047

December 29, 2009


Upstate Laboratories, Inc (ULI) performed the 3rd Quarter 2009 sampling event on October 22, 2009. Groundwater samples were obtained from the following wells: W-2, W-3, W-5A, W-6, W-8, W-A, W-B, W-D, W-E and W-H. Wells W-5 and W-G were not sampled for this event. Well W-F was dry, therefore no sample was obtained. Additionally, no sample was obtained from well W-C due to insufficient recharge. Individual well summaries are as follows:

1. Well W-2
   - Eh has increased to a historical high of 200 mV.
   - pH has decreased to a historical low of 6.98.
   - Specific Conductance has decreased to a historic low of 248 umhos/cm.
   - Alkalinity has increased to a historical high of 840 mg/L.
   - Chloroethane has increased to a historical high of 13 mg/L.
   - All other analyte concentrations are within their historical range.

2. Well W-3
   - Eh has increased to a historical high of 216 mV.
   - All other analyte concentrations are within their historical range.

3. Well W-5
   - Not sampled for this event.

4. Well W-5A
   - Eh has increased to a historical high of 175 mV.
   - Specific Conductance has increase to a historical high of 1140 umhos/cm.
   - Methylene Chloride has increased to a historical high of 13 ug/L.
   - All other analyte concentrations are within their historical range.

5. Well W-6
   - A sulfur odor was detected by the ULI technician during groundwater sampling.
   - Eh has increased to a historical high of 208 mV.
   - Specific Conductance has decreased to a historic low of 363 umhos/cm.
   - Soluble Iron has decreased to a historical low of <0.030 mg/L.
   - All other analyte concentrations are within their historical range.

6. Well W-8
   - Eh has increased to a historical high of 175 mV.
   - All other analyte concentrations are within their historical range.

7. Well W-A
   - Eh has increased to a historical high of 201 mV.
   - pH has decreased to a historical low of 6.96.
   - All other analyte concentrations are within their historical range.

8. Well W-B
   - Eh has increased to a historical high of 181 mV.
   - All other analyte concentrations are within historical range.

9. Well W-C
   - Insufficient well recharge, therefore no groundwater samples were taken.

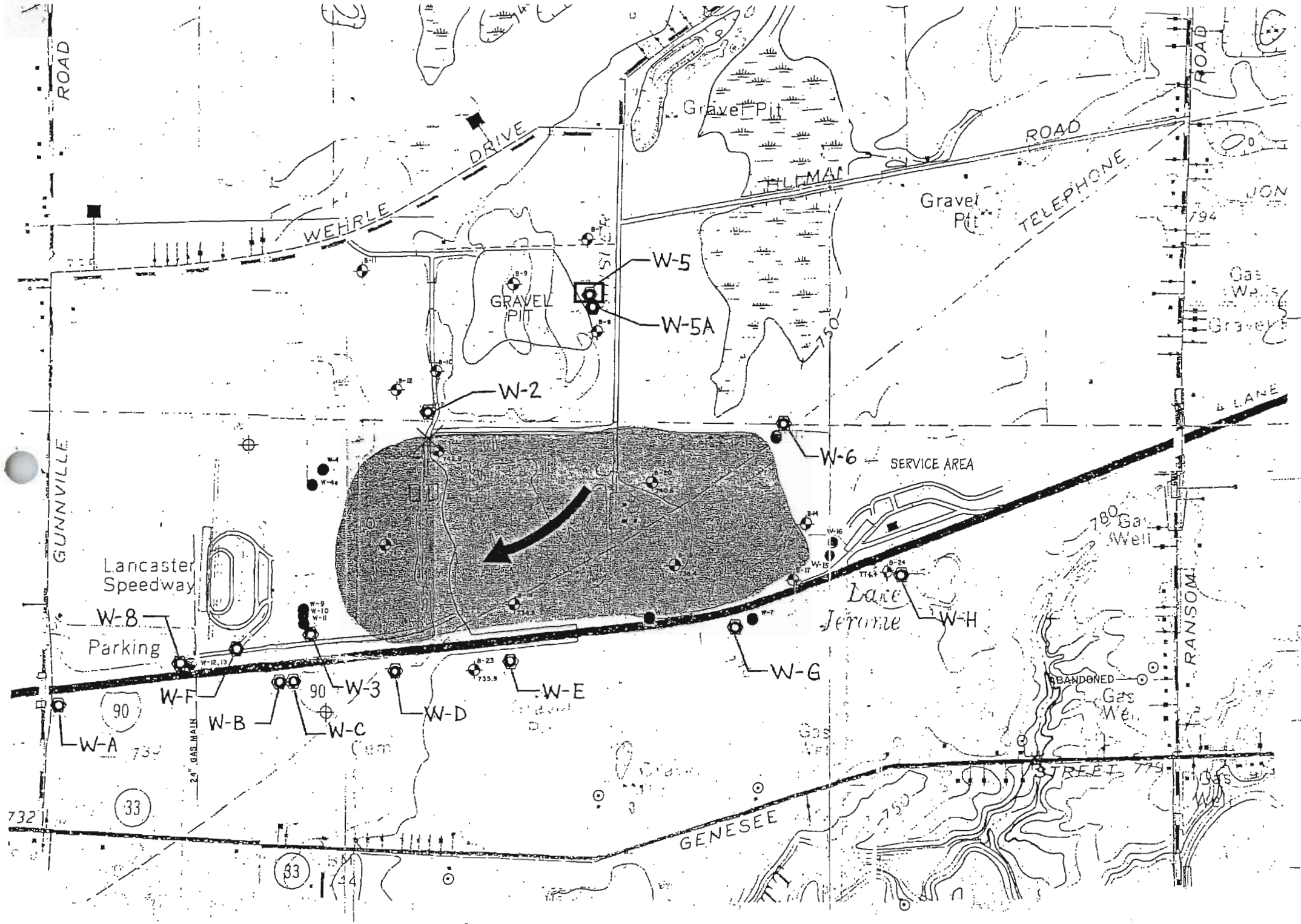
10. Well W-D
   - Sampling Well lock was cut by the ULI technician due to rusty condition. Glynn Geotechnical Engineering (GGE) will install a new lock and notify all involved parties.
   - Eh has increased to a historical high of 151 mV.
   - All other analyte concentrations are within their historical range.

11. Well W-E
   - Eh has increased to a historical high of 149 mV.
   - Specific Conductance has increased to a historical high of 1642 umhos/cm.
   - All other analyte concentrations are within their historical range.

12. Well W-F
   - Well W-F was found dry and therefore not sampled.
   - ULI technician indicated well is inhabited by field mice. GGE to investigate and remove inhabitants.

13. Well W-G
   - Not sampled for this event.

14. Well W-H
   - Eh has increased to a historical high of 114 mV.
   - All other analyte concentrations are within historical range.




SITE PLAN
NOT TO SCALE

LEGEND:

- BORING LOCATION, NUMBER & GROUND-WATER TABLE ELEVATION SEPTEMBER 20, 1979
- MONITORING WELL LOCATION & NUMBER
- GENERAL FLOW DIRECTION OF GROUND WATER IN OUTWASH & REFUSE UNDER THE LANDFILL ON SEPTEMBER 20, 1979
- APPROXIMATE EXTENT OF LANDFILL IN PHASE I & II
- KNOWN WELLS
- WATER LINES
- SERVICE CONNECTION
- PROPOSED REMOTE BEDROCK MONITORING WELL
- CURRENTLY SAMPLED MONITORING WELLS (As of 8-2000)

W-X

NOTES:

1. W-1 & W-2 BY OTHERS
2. BORINGS B-7 THROUGH B-12 IN TOWN OF CLARENCE (PHASE III)
3. BORINGS B-7 THROUGH B-17 COMPLETED FEBRUARY, 1979
4. BASE MAP FROM LANCASTER & CLARENCE, N.Y. 7.5' U.S.G.S. QUADRANGLES, 1965
5. BORINGS B-18 THROUGH B-24 & W-3 COMPLETED SEPTEMBER, 1979
6. LOCATIONS OF BORINGS & WELLS ARE APPROXIMATE
7. W-4, 5, 6, 7 INDICATE BEDROCK WELLS ADDED IN MAY 1980
8. W-4a, 5a, 8 INDICATE BEDROCK WELLS ADDED IN FEBRUARY 1981
9. W-9, 10, 11, 12, 13, 14, 15, 16 INDICATE BEDROCK WELLS ADDED IN NOVEMBER 1982.
10. W-12, 13, 14, ABANDONED IN JANUARY 1983.

08/05/98 GGE 98-1047

Glynn Geotechnical Engineering has added features to original Wehran Engineering base map as follows:

- Added gravel pit north of landfill.
- Added monitoring wells W-A to W-H.
- Added service area.

GGE GLYNN GEOTECHNICAL ENGINEERING
GEOTECHNICAL AND CIVIL ENGINEERING SERVICES

GGE
CIVIL · STRUCTURAL GEOTECHNICAL
MATERIALS TESTING CONSULTING
FAX (716) 625-6983

GLYNN GEOTECHNICAL ENGINEERING
415 S. TRANSIT STREET
LOCKPORT, NEW YORK 14094
www.glynngroup.com
VOICE (716) 625 - 6933

GGE PROJ.: 98-1047
FILE NAME: SITEPLAN
DATE: 9/21/04
DRAWN BY: GEL
CHECKED BY: MWG

CLIENT: MORAN & ASSOCIATES
PROJECT: LANCASTER SANITARY LANDFILL

TITLE: SITE PLAN

DWG.: S1

| Parameter | Units | 1ST 2001 | 2ND 2001 | 3RD 2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 3rd 2005 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Evaluation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | Not | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6/25/2003 | 9.25.03 | 12.09.03 | 3.29.04 | 6.09.04 | 9.29.04 | 12.21.04 | 3.31.05 | 9.28.05 | 12.19.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/20/2006 | 3/27/2007 | 6/25/2007 | 9/20/2007 | 12/27/2007 |
| Top of Casing Elevation | Feet | 757.19 | 757.19 | 757.19 | Sampled | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 |
| Water Level | Feet | 29.95 | 16.9 | 17.8 | | 14.37 | 14.76 | 17.51 | 17.39 | 15.35 | 15.44 | 17 | 15.46 | 13.71 | 15.24 | 15.63 | 14.54 | 12.39 | 15.52 | 14.46 | 13.46 | 15.41 | 15.19 | 9.64 | 11.22 | 14.06 | 16.33 | 14.32 |
| Water Elevation (Before Purge) | | 727.24 | 740.29 | 739.39 | | 742.82 | 742.43 | 739.68 | 739.8 | 741.84 | 741.75 | 740.19 | 741.73 | 743.48 | 741.95 | 741.56 | 742.65 | 744.8 | 741.67 | 742.73 | 743.73 | 741.78 | 742 | 747.55 | 745.97 | 743.13 | 740.86 | 742.87 |
| Well Bottom | Feet | 32.45 | 32.45 | 32.45 | | 32.45 | 32.45 | 32.45 | 32.38 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.45 | 32.02 | 32.02 | 32.02 | 32.02 |
| Sample Date: | | 3/22/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6.25.03 | 6.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 9.28.05 | 12.20.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/21/2006 | 3/27/2007 | 6/26/2007 | 9/20/2007 | 12/28/2007 |
| Laboratory Sample Number: | | 08201049 | 17701006 | 31101004 | | 9102017 | 17602022 | 26102039 | 33102089 | 7103087 | 17703062 | 26803062 | 34503033 | 9004025 | U0406352-001 | U0410029-001 | 4124031 | 1 | U0509443-001 | U0512340-001 | U0603145-001 | U0606481-001 | U0609386-001 | U0612417-001 | U0703462-001 | U0706507-001 | U0709291-001 | U0801010-001 |
| Eh | mV | -10 | <-80 | 10 | | -58 | -85 | -72 | -49 | -62 | -64 | -45 | -35 | -58 | -121 | -70 | -52 | -20 | -35 | -20 | -50 | -75 | -55 | -30 | 16 | -94 | -39 | -90 |
| pH | Std. | 7.3 | 7.4 | 7.6 | | 7.42 | 8.17 | 7.57 | 7.87 | 8.15 | 8.03 | 7.65 | 7.61 | 7.86 | 8.63 | 7.88 | 7.77 | 7.29 | 7.62 | 7.66 | 7.39 | 8.03 | 7.98 | 7.17 | 7.56 | 7.79 | 7.44 | 8 |
| Specific Conductance | umhos/cm | 1000 | 900 | 1000 | | 629 | 687 | 673 | 630 | 894 | 848 | 631 | 619 | 599 | 907 | 983 | 888 | 739 | 1322 | 1226 | 1036 | 965 | 978 | 1038 | 635 | 625 | 284 | 1532 |
| Turbidity | NTU | 13.02 | 5.77 | 7.7 | | 11 | 8.29 | 7.78 | 8.42 | 7.94 | 24.3 | 0.16 | 1.95 | 15.2 | 36.8 | 7.67 | 5.27 | 1.73 | 10.7 | 1.83 | 17.4 | 15.1 | 7.26 | 12.4 | 22.5 | 9.1 | 4.92 | 21 |
| Temperature | Øc | 6 | 12 | 11 | | 11 | 17 | 14.6 | 11.4 | 8.6 | 13.8 | 13.9 | 11.7 | 11.5 | 15.2 | 10.1 | 9.2 | 11.6 | 17.3 | 7.4 | 10.3 | 17 | 12.6 | 9.1 | 12.9 | 17.1 | 14.2 | 8.8 |
| Nitrate | mg/L | <0.2 | <0.2 | <0.2 | | <.2 | <.2 | | <.2 | <.2 | <0.2 | | <0.2 | <.2 | 0.4 | <.2 | <.20 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.20 | 0.2 | 0.529 | 0.251 | <0.2 | <0.200 |
| Alkalinity | mg/L | 410 | 420 | 420 | | 440 | 300 | 480 | 420 | 400 | 390 | 420 | 400 | 410 | 420 | 310 | 580 | 430 | 480 | 610 | 460 | 490 | 490 | 480 | 440 | 440 | 580 | 780 |
| Chloride | mg/L | 27 | 30 | 31 | | 32 | 34 | 37 | 34 | 38 | 43 | 39 | 42 | 44 | 48 | 36.8 | 66.4 | 45.4 | 66.2 | 81.8 | 54 | 42.3 | 41.7 | 37.9 | 37.8 | 68.3 | 120 | 110 |
| Ammonia | mg/L | <0.5 | 7.7 | <0.5 | | <0.5 | <0.5 | 1.6 | <0.5 | <0.5 | <0.5 | 1.4 | <0.5 | <0.5 | <0.5 | <.5 | 1.32 | <0.5 | 11.7 | 14.3 | 1.23 | 2.23 | 1.27 | 1.66 | <0.500 | 5.37 | 4.42 | 17.9 |
| Total Organic Carbon | mg/L | 3 | 4 | 3 | | <3 | <3 | 5 | 5 | <3 | 3 | 5 | 4 | 3 | <3 | 4 | 4 | 4 | 11 | 13 | 6 | 4 | 5 | 5 | 4.9 | 7.5 | 7.8 | 14.4 |
| Total Iron | mg/L | 1.3 | 1.8 | 2 | | 1.2 | 0.6 | 1.1 | 2.5 | 1.5 | 0.48 | 1.4 | 1 | 1.2 | 4 | 2.4 | 2.7 | 2 | 4 | 3.7 | 2.8 | 3.9 | 3.2 | 3.6 | 3.2 | 10 | 5.4 | 3.8 |
| Total Manganese | mg/L | 0.12 | 0.08 | 0.12 | | <.02 | 0.02 | 0.2 | 0.14 | 0.02 | <0.02 | 0.25 | 0.21 | <.02 | 0.2 | 0.29 | 0.16 | 0.14 | 0.22 | 0.14 | 0.999 | 0.058 | 0.21 | 0.19 | 0.084 | 0.13 | 0.13 | 0.12 |
| Soluble Iron | mg/L | 0.05 | 0.21 | 0.05 | | 1.7 | 0.05 | 0.03 | 0.05 | 0.16 | 0.07 | 1 | 1.5 | 0.31 | 0.071 | 1.7 | 0.068 | 1.3 | 3.6 | 3.4 | 0.053 | 0.078 | 0.058 | 0.084 | 0.047 | 0.046 | 0.093 | 0.071 |
| Soluble Manganese | mg/L | 0.13 | 0.09 | 0.12 | | 0.05 | <.02 | 0.18 | 0.03 | <0.02 | <0.02 | 0.23 | 0.13 | <.02 | <.02 | 0.27 | 0.12 | 0.11 | 0.22 | 0.13 | 0.1 | 0.069 | 0.073 | 0.11 | 0.052 | 0.13 | 0.11 | 0.028 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | 16 | 21 | 14 | | 19 | 7 | 15 | 20 | 12 | 8 | 16 | 12 | <2.0 | 9.4 | <1 | <1 | <1 | <1 | 14 | 5.7 | 5.4 | 11 | 6.3 | 2.9 | 3.8 | 2.8 | 8.6 |
| 1,1-Dichloroethene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | 1 | <1.0 | 12 | 7 | <2.0 | 15 | 13 | 14 | 13 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | <1 | <1.0 | <.5 | <.50 | <.50 | 6.4 | 11 | 0.58 | <0.5 | 0.92 | <.5 | <0.5 | 1.0 | 1.6 | 10 |
| Bromobenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | 1.8 | 2.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4 |
| Chloroethane | ug/L | 2 | 3 | 1 | | <1 | <0.5 | 1 | 1 | <0.5 | <1.0 | 2 | 1 | <2.0 | <2.0 | 3.5 | 3.1 | 5 | 3.9 | 6.1 | 1.5 | 4.2 | 8.7 | 6.2 | 1.8 | 5.8 | 4.8 | 7.7 |
| Chloroform | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | 3 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | 2 | 1 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | 25 | 27 | 7 | | 3 | 2 | 4 | 4 | 2 | 1 | 4 | 3 | <2.0 | 2.2 | 3.2 | 3.6 | 3.6 | <1 | 4.4 | 1.2 | 1.6 | 3.3 | 2.2 | <1 | 1.1 | 2 | 3.6 |
| cis-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | 2 | 4 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | 3 | 2 | <2.0 | <2.0 | 1.2 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | 1.2 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | 1.2 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m & p Xylene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <1.0 | <2.0 | <1.0 | <4 | <2.0 | <1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | 1 | 1 | <1 | | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <1 | <1 | <1 | | <1 | <1 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <1 | <1 | <1 | | <1 | 0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | 9 | 1.7 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | 3 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | 45 | 56 | 12 | | <1 | <0.5 | 1 | 2 | <0.5 | <1.0 | 2 | 1 | <2.0 | <2.0 | 1.4 | 1.5 | 2.5 | <1 | 1.7 | <1 | <1 | 2 | <1 | <1 | 1.2 | <1 | 1.3 |

Glynn Geotechnical Engineering
415 S. Transit Street
Lockport, NY 14094
(716) 625 - 6933

| Quarter > | | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | |
| Evacuation Date | | 3/3/2008 | 6/24/2008 | 9/25/2008 | 12/29/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | Feet | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 | 757.19 |
| Water Level | Feet | 13.29 | 14.35 | 15.28 | 11.96 | 12.11 | 13.65 | 13.53 |
| Water Elevation (Before Purge) | | 743.9 | 742.84 | 741.91 | 745.23 | 745.08 | 743.54 | 743.66 |
| Well Bottom | Feet | 32.02 | 32.02 | 32.02 | 32.02 | 32.02 | 32.02 | 32.02 |
| Sample Date: | | 3/3/2008 | 6/25/2008 | 9/25/2008 | 12/30/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Laboratory Sample Number: | | U0803039-001 | U0806522-001 | U0809489-001 | U0812540-001 | U0903561-001 | U0907008-001 | U0910503-001 |
| | | | | | | | | |
| Eh | mV | -54 | -32 | -78 | -54 | -71 | 188 | 200 |
| pH | Std. | 7.73 | 7.58 | 8.36 | 7.97 | 8.57 | 7.07 | 6.98 |
| Specific Conductance | umhos/cm | 1236 | 1117 | 1017 | 522 | 947 | 750 | 248 |
| Turbidity | NTU | 46.2 | 24.3 | 66.1 | 37.4 | 66.4 | 38.5 | 18.1 |
| Temperature | Øc | 12.4 | 15.2 | 16 | 11.7 | 8.2 | 17 | 14 |
| Nitrate | mg/L | <0.200 | <0.200 | <0.200 | <0.200 | <0.200 | <0.200 | <0.200 |
| Alkalinity | mg/L | 690 | 670 | 640 | 530 | 700 | 760 | 840 |
| Chloride | mg/L | 73 | 43.5 | 34.9 | 43 | 28.1 | 133 | 69.5 |
| Ammonia | mg/L | 8.45 | 6.12 | 2.03 | 2.02 | 1.03 | 11.3 | 9.1 |
| Total Organic Carbon | mg/L | 24 | 4.6 | < 15.0 | 6.2 | <3.0 | 15.5 | 8.2 |
| Total Iron | mg/L | 3.9 | 6.9 | 6.1 | 7.8 | 16 | 0.26 | 7.5 |
| Total Manganese | mg/L | 0.14 | 1.5 | 0.25 | 0.12 | 0.25 | 0.18 | 0.21 |
| Soluble Iron | mg/L | 0.056 | <0.030 | 0.39 | <0.030 | 0.038 | <0.030 | <0.030 |
| Soluble Manganese | mg/L | 0.14 | 0.079 | 0.14 | 0.069 | 0.17 | 0.026 | 0.22 |
| Total Lead | mg/L | | | | | | | |
| Soluble Lead | mg/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | 5.1 | 2.9 | 4.5 | 3.3 | 3.5 | 2.3 | 3.6 |
| 1,1-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | 2.6 | 0.84 | 1.3 | <0.50 | <0.50 | 2.3 | 6.1 |
| Bromobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | 1.5 | <1 | <1 | <1 | <1 | 1.1 | 2.9 |
| Chloroethane | ug/L | 5 | 4.5 | 9 | 8.8 | 8.8 | 11 | 13 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | 2.3 | 1.4 | 2.8 | 1.8 | 1.7 | 1.6 | 2.3 |
| cis-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m & p Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | |
| sec-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 |

| Quarterly Sampling Event | | 1ST/01 | 2ND/01 | 3RD/01 | 4TH/01 | 1ST/02 | 2ND/02 | 3RD/02 | 4TH/02 | 1ST 2003 | 2ND2003 | 3RD 2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 1st 2005 | 2nd 2005 | 3rd 2005 | 3rd 2007 | 1st 2006 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | Not | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 3.31.05 | 6.28.05 | 9.28.05 | 9/20/2007 | 03.07.06 |
| Top of Casing Elevation | Feet | 740.86 | 740.86 | 740.86 | Sampled | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 |
| Water Level | Feet | 19.6 | 22.58 | 21.25 | | 19.85 | 21.91 | 23.59 | 19.97 | 19.99 | 21.82 | 22.62 | 20.81 | 18.95 | 20.74 | 22.62 | 19.31 | 22.89 | 21.02 | 16.33 | 20.68 |
| Water Elevation (Before Purge) | | 721.26 | 718.28 | 719.61 | | 721.01 | 718.95 | 717.27 | 720.89 | 720.85 | 719.04 | 718.24 | 720.05 | 721.91 | 720.12 | 718.24 | 721.55 | 717.97 | 719.84 | 724.53 | 720.18 |
| Well Bottom | Feet | 27.93 | 27.93 | 27.93 | | 27.93 | 27.93 | 27.93 | 29.43 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 32.02 | 27.93 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 3.31.05 | 6.29.05 | 9.28.05 | 9/20/2007 | 03.07.06 |
| Laboratory Sample Number: | | 08201050 | | 31101007 | | 9102108 | 17602025 | 26102040 | 33102092 | 7103090 | 17703063 | 26803063 | 34503034 | 9004026 | U0406352-002 | U0410029-002 | 2 | UO506555-002 | U0509443-002 | U0709291-001 | U0603145-002 |
| Eh | mV | -10 | <-80 | 0r | | -8 | -23 | -31 | -7 | -11 | -22 | -1 | 15 | 5 | -19 | 10 | 15 | -20 | 5 | -39 | -20 |
| pH | Std. | 6.4 | 6.9 | 6.7 | | 6.55 | 7.11 | 6.85 | 7.13 | 7.06 | 7.25 | 6.89 | 6.65 | 6.83 | 6.79 | 6.46 | 6.84 | 7.04 | 7.04 | 7.44 | 6.89 |
| Specific Conductance | umhos/cm | 1400 | 6000 | 4000 | | 1381 | 4420 | 5420 | 2860 | 4862 | 5820 | 3750 | 1808 | 1451 | 3450 | 3310 | 1670 | 2340 | 2450 | 284 | 2480 |
| Turbidity | NTU | 24.4 | 10.3 | 18.9 | | 4.72 | 12.9 | 12.3 | 11.9 | 5.19 | 4.08 | 8.05 | 2.33 | 7.93 | 8.94 | 20.5 | 22.1 | 16.8 | 10.7 | 4.92 | 14.1 |
| Temperature | øC | 5 | 12 | 13 | | 10 | 15.3 | 14.4 | 10.5 | 7.5 | 14.3 | 14.7 | 10.2 | 10.9 | 12.3 | 11.9 | 9.9 | 14.3 | 15.6 | 14.2 | 8.7 |
| Nitrate | mg/L | 1.2 | <0.2 | <0.2 | | <0.2 | <0.2 | | <0.2 | <0.2 | <0.2 | 0.4 | <0.2 | <.2 | <.2 | 0.2 | <0.2 | <0.2 | <0.2 | <.2 | <0.2 |
| Alkalinity | mg/L | 470 | 2200 | 1500 | | 540 | 390 | 2800 | 1600 | 1700 | 1700 | 1700 | 1000 | 960 | 1400 | 1500 | 930 | 1700 | 1900 | 580 | 860 |
| Chloride | mg/L | 66 | 610 | 260 | | 110 | 620 | 750 | 380 | 440 | 440 | 500 | 250 | 230 | 260 | 651 | 209 | 541 | 203 | 120 | 148 |
| Ammonia | mg/L | 13 | 370 | 130 | | 29 | 390 | 400 | 140 | 93 | 240 | 12 | 56 | 83 | 118 | 140 | 98.3 | 10.4 | 15.3 | 4.42 | 12.5 |
| Total Organic Carbon | mg/L | 13 | 140 | 63 | | 19 | 110 | 140 | 110 | 82 | 87 | 81 | 37 | 41 | <3.0 | 70 | 36 | 34 | 35 | 7.8 | 40 |
| Total Iron | mg/L | 11 | 27 | 27 | | 4 | 12 | 23 | 24 | 21 | 26 | 28 | 24 | 24 | 27 | 30 | 27 | 28 | 27 | 5.4 | 25 |
| Total Manganese | mg/L | 1.4 | 1.5 | 1.4 | | 1.1 | 1.2 | 1.4 | 2.1 | 1.4 | 1.2 | 1.3 | 1.2 | 1.5 | 1.6 | 1.6 | 1.2 | 1.4 | 1.3 | 0.13 | 0.9 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | 0.093 | |
| Soluble Iron | mg/L | 4.2 | 0.85 | 0.36 | | 0.57 | 0.61 | 0.46 | 0.17 | 0.42 | 24 | 22 | 25 | 0.16 | 0.15 | 30 | 23 | 16 | 26 | 0.11 | 27 |
| Soluble Manganese | mg/L | 1.4 | 1.5 | 1.4 | | 1.1 | 1.1 | 1.3 | 1.7 | 1.2 | 1.1 | 1.2 | 1.3 | 1.5 | 0.93 | 1.6 | 1.1 | 1.3 | 1.2 | 1.3 | 1 |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | 2.8 | <1.0 |
| 1,1-Dichloroethene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | ug/L | <3 | <10 | 5 | | <3 | 8 | <10 | <10 | 9 | 5 | 6 | 2 | 7 | 8 | 5.3 | 3 | 13 | 4 | <1.0 | 5.4 |
| 1,2-Dibromo-3-chloropropane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromoethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | 3.4 | <2 | <2 | 2.3 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | ug/L | <3 | <10 | 7 | | <3 | <5 | <10 | <10 | 11 | <3 | 10 | 6 | 9 | 7.6 | 13 | 7.1 | 13 | 11 | <1.0 | 9.8 |
| 2,2-Dichloropropane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 2-Chlorotoluene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 4-Chlorotoluene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| 4-Isopropyltoluene | ug/L | 4 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Benzene | ug/L | <3 | <10 | 5 | | <3 | 6 | <10 | <10 | 6 | <3 | 6 | 4 | 5 | 5.9 | 6.6 | 3.3 | 5.9 | 4.2 | 1.6 | 4.5 |
| Bromobenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Bromoform | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Bromomethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Chlorobenzene | ug/L | <3 | <10 | 4 | | <3 | <5 | <10 | <10 | 5 | <3 | 5 | 4 | 5 | 4.9 | 8.2 | 4.4 | 10 | 7 | <1.0 | 9 |
| Chloroethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | 4 | <2 | <2 | <2.0 | 4.4 | <2 | 7.8 | 3.9 | 4.8 | <1.0 |
| Chloroform | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Chloromethane | ug/L | <3 | <10 | 4 | | <3 | 7 | <10 | <10 | <5 | <3 | 4 | 3 | 3 | 2.9 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| cis-1,2-Dichloroethene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | 2 | <1.0 |
| cis-1,3-Dichloropropene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Dibromochloromethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoromethane | ug/L | 4 | <10 | <3 | | <3 | 17 | <10 | <10 | <5 | <3 | 6 | 7 | <2 | 6.7 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Ethylbenzene | ug/L | 5 | 18 | 4 | | <3 | 16 | <10 | <10 | 13 | 8 | <2 | 2 | 10 | 6.8 | 13 | <2 | <2 | 1.5 | <1.0 | <1.0 |
| Hexachlorobutadiene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Isopropylbenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | 3.3 | <2 | <2 | <2 | 4.3 | 2.1 | <1.0 | 1.6 |
| m & p-Xylene | ug/L | 5 | 41 | 11 | | <5 | 35 | 47 | <20 | 28 | 18 | 15 | 6 | 21 | 20 | 15 | 5.4 | 23 | 7.4 | <1.0 | 10 |
| Methylene chloride | ug/L | 5 | <10 | <3 | | <3 | 17 | <10 | 21 | 9 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Naphthalene | ug/L | <3 | <10 | <3 | | <3 | 6 | <10 | <10 | 6 | <3 | 6 | 3 | 6 | 5.9 | 3.3 | 3 | 14 | <1.0 | <1.0 | 7.3 |
| n-Butylbenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | 2.4 | <2 | <2 | 3.1 | 1.6 | <1.0 | 1.1 |
| o-Xylene | ug/L | <3 | 11 | 5 | | <3 | 11 | <10 | <10 | 10 | 6 | 2 | <2 | 4 | 4.3 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| p-Xylene | ug/L | | | | | | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | 4 | <1.0 | <1.0 | <1.0 |
| sec-Butylbenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | 3 | <2 | <2 | 3.3 | <2 | <2 | <2 | 1 | <1.0 | <1.0 |
| Styrene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Toluene | ug/L | 5 | <10 | <3 | | <3 | 8 | <10 | <10 | <5 | <3 | <2 | <2 | 8 | <2.0 | 5.8 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Trichloroethene | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |
| Vinyl chloride | ug/L | <3 | <10 | <3 | | <3 | <5 | <10 | <10 | <5 | <3 | <2 | <2 | <2 | <2.0 | <2 | <2 | <2 | <1.0 | <1.0 | <1.0 |

| Quarterly Sampling Event | | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | comment | | | | | | | | | |
| Evacuation Date | | 06.27.06 | 9.21.06 | 12/20/2006 | 3/27/2007 | 6/25/2007 | 9/20/2007 | 12/27/2007 | 3/3/2008 | 6/24/2008 | 9/25/2008 | 12/29/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | Feet | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 | 740.86 |
| Water Level | Feet | 23.5 | 20.88 | 12.98 | 17.44 | 23.1 | 24.87 | 27.93 | 19.61 | 22.85 | 23.27 | 15.81 | 18.96 | 22.31 | 22.3 |
| Water Elevation (Before Purge) | | 717.36 | 719.98 | 727.88 | 723.42 | 717.76 | 715.99 | 712.93 | 721.25 | 718.01 | 717.59 | 725.05 | 721.9 | 718.55 | 718.56 |
| Well Bottom | Feet | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 | 27.93 |
| Sample Date: | | 06.27.06 | 09.21.06 | 12/21/2006 | 3/27/2007 | 6/26/2007 | 9/20/2007 | 12/28/2007 | 3/3/2008 | 6/25/2008 | 9/25/2008 | 12/30/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Laboratory Sample Number: | | U0606481-002 | U0609386-002 | U0612417-002 | U0703462-002 | U0706507-002 | U0709291-002 | U0801010-002 | U0803039-002 | U0806522-002 | U0809489-002 | U0812540-002 | U0903561-002 | U0907008-002 | U0910503-002 |
| | | | | | | | | | | | | | | | |
| Eh | mV | -25 | -40 | -19 | -21 | -28 | -10 | -86 | -39 | -10 | -3 | -61 | -32 | 198 | 216 |
| pH | Std. | 7.14 | 7.72 | 6.51 | 6.53 | 6.42 | 6.87 | 8.22 | 7.59 | 7.18 | 7.14 | 8.02 | 7.87 | 7.13 | 6.7 |
| Specific Conductance | umhos/cm | 3860 | 2830 | 3160 | 889 | 230 | 1593 | 1321 | 247 | 293 | 279 | 1213 | 1411 | 1625 | 1192 |
| Turbidity | NTU | 31.2 | 3.4 | 1.48 | 49.3 | 13 | 77 | 30.3 | 23.1 | 31.4 | 77.3 | 15.7 | 9.89 | 11.2 | 27.5 |
| Temperature | øC | 15.2 | 13.8 | 10.6 | 18.4 | 16.2 | 15 | 9.3 | 12.9 | 13.7 | 17.5 | 10.7 | 8 | 14 | 13.4 |
| Nitrate | mg/L | <0.2 | <0.2 | | <0.2 | 0.286 | <0.2 | <0.2 | <0.2 | <0.200 | <0.200 | <0.200 | <0.200 | 0.407 | <0.200 |
| Alkalinity | mg/L | 1600 | 1100 | 1100 | 780 | 970 | 1500 | 810 | 940 | 1200 | 1200 | 500 | 700 | 1200 | 1200 |
| Chloride | mg/L | 418 | 224 | 288 | 216 | 363 | 767 | 239 | 290 | 318 | 348 | 112 | 198 | 373 | 265 |
| Ammonia | mg/L | 170 | 116 | 120 | 62.8 | 255 | 162 | 63.2 | 81.7 | 110 | 96.6 | 15.8 | 62.3 | 149 | 159 |
| Total Organic Carbon | mg/L | 68 | 72 | 44 | 28.1 | 63.8 | 88.6 | 8.9 | 35.2 | 37.2 | 49 | 15 | 23.2 | 52.3 | 44 |
| Total Iron | mg/L | 36 | 30 | 29 | 41 | 37 | 33 | 29 | 30 | 33 | 34 | 34 | 24 | 4.3 | 31 |
| Total Manganese | mg/L | 1.5 | 1.3 | 1.2 | 1.7 | 1.4 | 1.2 | 1.3 | 1.4 | 1.3 | 1.5 | 1.6 | 0.97 | 1.4 | 0.9 |
| Total Lead | mg/L | | | | | | | | | | | | | | |
| Soluble Iron | mg/L | 5.4 | 0.11 | 0.16 | 0.1 | 0.52 | 0.19 | 0.036 | 0.1 | 0.094 | 0.14 | 0.96 | 0.056 | <0.030 | 0.14 |
| Soluble Manganese | mg/L | 1.2 | 1.1 | 0.35 | 1.4 | 1.4 | 1.1 | 1.2 | 1.4 | 1.2 | 1.3 | 1.7 | 1 | 1.1 | 0.85 |
| Soluble Lead | mg/L | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,1,1-Trichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,1,2-Trichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,1-Dichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | 2.2 | <1.0 | <1.0 | <1 | <5 |
| 1,1-Dichloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,1-Dichloropropene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,2,3-Trichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,2,3-Trichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,2,4-Trichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,2,4-Trimethylbenzene | ug/L | 10 | 4.2 | 4.7 | 2.2 | <5.0 | <5.0 | <5.0 | 2.6 | 6.4 | 2.3 | 1.9 | 2.2 | 3.4 | <5 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,2-Dibromoethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,2-Dichlorobenzene | ug/L | 2 | 1.2 | 1 | <1.0 | <5.0 | <5.0 | <5.0 | 2.3 | <5.0 | 3.4 | <1.0 | <1.0 | 2.5 | <5 |
| 1,2-Dichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,2-Dichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,3-Dichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,3-Dichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 1,4-Dichlorobenzene | ug/L | 15 | 9.2 | 11 | 8.0 | 12 | 14 | 12 | 11 | 13 | 13 | 7.3 | 6.6 | 13 | 5.8 |
| 2,2-Dichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 2-Chlorotoluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 4-Chlorotoluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| 4-Isopropyltoluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Benzene | ug/L | 7.1 | 6.3 | 4.6 | 3.1 | 4.3 | 4.2 | 2.6 | 4 | 4.7 | 5.9 | 1.9 | 2.2 | 6.2 | 4.1 |
| Bromobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Bromochloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Bromodichloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Bromoform | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Bromomethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Carbon tetrachloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Chlorobenzene | ug/L | 17 | 9.4 | 12 | 8.1 | 16 | 17 | 8.1 | 12 | 16 | 15 | 6.1 | 7.2 | 19 | 8.8 |
| Chloroethane | ug/L | 16 | 9.6 | 3.6 | 3.3 | 14 | 54 | 7.6 | 4.2 | 9.7 | 21 | 1.8 | 2.1 | 8.8 | 25 |
| Chloroform | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Chloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| cis-1,2-Dichloroethene | ug/L | <1.0 | <1.0 | <1.0 | 19 | <5.0 | <5.0 | 130 | 22 | <5.0 | <1.0 | 5.1 | 2.2 | 1.1 | <5 |
| cis-1,3-Dichloropropene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Dibromochloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Dibromomethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Dichlorodifluoromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Ethylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | 9.6 | <5.0 | <1.0 | <5.0 | 3.4 | <1.0 | <1.0 | <1 | <5 |
| Hexachlorobutadiene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Isopropylbenzene | ug/L | 3.3 | 2.3 | 2 | 1.8 | <5.0 | <5.0 | <5.0 | <1.0 | 6.9 | 2.4 | <1.0 | <1.0 | 2.7 | <5 |
| m & p-Xylene | ug/L | 16 | 7.6 | 8.9 | 3.2 | 7.8 | 27 | 7.6 | 5.2 | <5.0 | 5.9 | <1.0 | 3.4 | 4.9 | 5.2 |
| Methylene chloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | 1.2 | <1.0 | <1 | <5 |
| Naphthalene | ug/L | 18 | 6.1 | 9.8 | 5.2 | <5.0 | <5.0 | <5.0 | <1.0 | 11 | 8.6 | 2.7 | 3.4 | 7.3 | 8.3 |
| n-Butylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <2 |
| n-Propylbenzene | ug/L | 2.1 | 1.4 | 1.3 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | 1.8 | <1.0 | <1.0 | 1.5 | 2.5 |
| o-Xylene | ug/L | 1 | 1 | 1.1 | 1.1 | <5.0 | 8.2 | <5.0 | 1.6 | <5.0 | 3 | <1.0 | <1.0 | <1 | <5 |
| p-Xylene | ug/L | <1.0 | <1.0 | <1.0 | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Styrene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| tert-Butylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Tetrachloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Toluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | 1.3 | <1.0 | <1.0 | <1 | <5 |
| trans-1,2-Dichloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| trans-1,3-Dichloropropene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Trichloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Trichlorofluoromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <5.0 | <5.0 | <5.0 | <1.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1 | <5 |
| Vinyl chloride | ug/L | <1.0 | <1.0 | <1.0 | 10 | <5.0 | <5.0 | 38 | 11 | <5.0 | <1.0 | 3.4 | 2 | 1.1 | 10 |

| Quarter > | | 1ST/01 | 2ND/01 | 3RD/01 | 4TH/01 | 1ST/02 | 2ND/02 | 3RD/02 | 4TH/02 | 1ST/03 | 2ND2003 | 3RD 2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3rd 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2007 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | Not | 6/25/2001 | Not | Not | 3/29/2002 | Not | 9/17/2002 | Not | Not | 6.25.03 | Not | 12.09.03 | Not | 6.8.04 | Not | 12.21.04 | Not | Not | 9/20/2007 | Not | 03.07.06 | Not | 9.21.06 | Not | Not | 6/25/2007 | Not | 12/27/2007 | Not | 6/24/2008 |
| Top of Casing Elevation | Feet | Sampled | 765.23 | Sampled | Sampled | 765.23 | Sampled | 765.23 | Sampled | Sampled | 765.23 | Sampled | 765.23 | Sampled | 765.23 | sampled | 765.23 | Sampled | Sampled | Sampled | Sampled | 764.48 | Sampled | 764.48 | Sampled | Sampled | 764.48 | Sampled | 764.48 | Sampled | 764.48 |
| Water Level | Feet | | 31.8 | | | 12.58 | | 32.75 | | | 29.72 | | 29.72 | | 27.33 | | 27.86 | | | 16.33 | | 27.14 | | 27.14 | | | 27.37 | | 31.13 | | 28.27 |
| Water Elevation (Before Purge) | | | 733.43 | | | 752.65 | | 732.48 | | | 735.51 | | 735.51 | | 737.9 | | 737.37 | | Well | Well | Well | 737.34 | | 737.34 | | | 737.11 | | 733.35 | | 736.21 |
| Well Bottom | Feet | | 55.38 | | | 55.38 | | 55.38 | | | 55.38 | | 55.38 | | 55.38 | | 55.38 | | Damaged | 32.02 | Damaged | 55.38 | | 55.38 | | | 55.38 | | 55.38 | | 47 |
| Sample Date: | | | 6/25/2001 | | | 3/29/2002 | | 9/17/2002 | | | 6.25.03 | | 12.09.03 | | 6.9.04 | | 12.21.04 | | | 9/20/2007 | | 03.07.06 | | 9.21.06 | | | 6/26/2007 | | 12/28/2007 | | 6/25/2008 |
| Laboratory Sample Number: | | | 17701004 | | | 9102014 | | 26102037 | | | 17703073 | | 34503045 | | U0406352-003 | | 4124033 | | | U0709291-001 | | U0603145-003 | | U0609386-003 | | | U0706507-003 | | U0801010-003 | | U0806522-003 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eh | mV | | 55 | | | -48 | | -102 | | | -81 | | -53 | | -82 | | -55 | | | -39 | | -95 | | -70 | | | -79 | | -128 | | -54 |
| pH | Std. | | 7.7 | | | 7.23 | | 8.1 | | | 8.29 | | 7.91 | | 7.93 | | 7.84 | | | 7.44 | | 8.17 | | 8.34 | | | 7.34 | | 8.74 | | 7.93 |
| Specific Conductance | umhos/cm | | 660 | | | 509 | | 396 | | | 584 | | 388 | | 672 | | 526 | | | 284 | | 496 | | 663 | | | 311 | | 331 | | 181 |
| Turbidity | NTU | | 19.4 | | | 15 | | 7.69 | | | 20.5 | | 10.7 | | 212 | | 4.21 | | | 4.92 | | 109 | | 35.3 | | | 12.4 | | 9.13 | | 27 |
| Temperature | øC | | 12 | | | 12.1 | | 13.2 | | | 15.1 | | 9.6 | | 15.2 | | 9.2 | | | 14.2 | | 10.7 | | 14.2 | | | 14.8 | | 9.1 | | 17.7 |
| Nitrate | mg/L | | 0.3 | | | 0.5 | | 1.3 | | | 0.4 | | 0.2 | | 0.3 | | <.20 | | | 0.3 | | < 0.2 | | 0.39 | | | 0.289 | | 0.441 | | 0.231 |
| Alkalinity | mg/L | | 310 | | | 340 | | 240 | | | 280 | | 300 | | 360 | | 450 | | | 580 | | 560 | | 420 | | | 270 | | 160 | | 250 |
| Chloride | mg/L | | 3 | | | 3 | | 4 | | | 3 | | 2 | | 2 | | 4.34 | | | 120 | | 2.57 | | 5.05 | | | 11.8 | | 4.76 | | 36.2 |
| Ammonia | mg/L | | 58 | | | <0.5 | | 1.4 | | | <0.5 | | <0.5 | | 1.9 | | 0.823 | | | 4.42 | | <0.5 | | 0.944 | | | <0.5 | | <0.5 | | <0.5 |
| Total Organic Carbon | mg/L | | 3 | | | <3.0 | | <3.0 | | | <3 | | <3 | | 84 | | <3.0 | | | 7.8 | | <1 | | 3 | | | <3.0 | | <3.0 | | <3.0 |
| Total Iron | mg/L | | 0.73 | | | 0.12 | | 0.23 | | | 1.1 | | 0.6 | | 7.8 | | 0.29 | | | 5.4 | | 0.85 | | 2.1 | | | 0.14 | | 0.1 | | 0.62 |
| Total Manganese | mg/L | | 0.02 | | | <0.02 | | <0.02 | | | 0.03 | | <0.02 | | 0.2 | | <.020 | | | 0.13 | | 0.11 | | 0.17 | | | <0.2 | | <0.020 | | <0.020 |
| Soluble Iron | mg/L | | <0.03 | | | 0.08 | | 0.04 | | | 0.03 | | <0.03 | | 0.1 | | 0.054 | | | 0.093 | | 0.044 | | 0.032 | | | 0.039 | | <0.030 | | <0.030 |
| Soluble Manganese | mg/L | | <0.02 | | | <0.02 | | <0.02 | | | <0.02 | | <0.02 | | <.02 | | <.020 | | | 0.11 | | <0.020 | | <0.020 | | | <0.2 | | <0.020 | | <0.020 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | 2.1 | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,1,1-Trichloroethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,1,2,2-Tetrachloroethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,1,2-Trichloroethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,1-Dichloroethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | 2.8 | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,1-Dichloroethene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,1-Dichloropropene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2,3-Trichloropropane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2,4-Trichlorobenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2,4-Trimethylbenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2-Dibromo-3-chloropropane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2-Dibromoethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2-Dichlorobenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2-Dichloroethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,2-Dichloropropane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,3,5-Trimethylbenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,3-Dichlorobenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,3-Dichloropropane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 1,4-Dichlorobenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 2,2-Dichloropropane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 2-Chlorotoluene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 4-Chlorotoluene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| 4-Isopropyltoluene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Benzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <0.5 | | <0.5 | | <0.5 | | | 1.6 | | <.5 | | <.5 | | | <.5 | | <.5 | | <.5 |
| Bromobenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Bromochloromethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Bromodichloromethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Bromoform | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Bromomethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Carbon tetrachloride | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Chlorobenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Chloroethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | 4.8 | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Chloroform | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Chloromethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| cis-1,2-Dichloroethene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | 2 | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| cis-1,3-Dichloropropene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Dibromochloromethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Dibromomethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Dichlorodifluoromethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Ethylbenzene | ug/L | | <0.5 | | | <1.0 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Hexachlorobutadiene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Isopropylbenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Methylene chlonde | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| m-Xylene | ug/L | | <0.5 | | | <1.0 | | <1.0 | | | <1.0 | | <2 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Naphthalene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| n-Butylbenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| n-Propylbenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| o-Xylene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| sec-Butylbenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Styrene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| tert-Butylbenzene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Tetrachloroethene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Toluene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| trans-1,2-Dichloroethene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| trans-1,3-Dichloropropene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Trichloroethene | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Trichlorofluoromethane | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |
| Vinyl chloride | ug/L | | <0.5 | | | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1.0 | | <1.0 | | | | | <1.0 | | <1.0 | | | <1.0 | | <1.0 | | <1.0 |

| Quarter > | | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|
| | Units | | | | | |
| Evacuation Date | | Not | 12/29/2008 | 3/30/2009 | 6/29/2009 | Not |
| Top of Casing Elevation | Feet | Sampled | 764.48 | 765.23 | 765.23 | Sampled |
| Water Level | Feet | | 28.27 | 24.91 | 27.56 | |
| Water Elevation (Before Purge) | | | 736.21 | 740.32 | 737.67 | |
| Well Bottom | Feet | | 47 | 55.38 | 55.38 | |
| Sample Date: | | | 12/30/2008 | 3/30/2009 | 6/29/2009 | |
| Laboratory Sample Number: | | | U0812540-003 | U0903561-003 | U0907008-003 | |
| | | | | | | |
| Eh | mV | | -97 | -79 | 122 | |
| pH | Std. | | 8.69 | 8.66 | 8.42 | |
| Specific Conductance | umhos/cm | | 286 | 273 | 175 | |
| Turbidity | NTU | | 10 | 6.45 | 4.42 | |
| Temperature | eC | | 11.3 | 8.9 | 15.3 | |
| Nitrate | mg/L | | 0.424 | 0.409 | 0.329 | |
| Alkalinity | mg/L | | 100 | 110 | 130 | |
| Chloride | mg/L | | 3.8 | 3.33 | 4.29 | |
| Ammonia | mg/L | | <0.5 | <0.5 | <0.500 | |
| Total Organic Carbon | mg/L | | <3.0 | <3.0 | <3.0 | |
| Total Iron | mg/L | | 0.71 | <0.03 | 0.055 | |
| Total Manganese | mg/L | | 0.022 | <0.02 | <0.020 | |
| Soluble Iron | mg/L | | <0.030 | <0.03 | <0.030 | |
| Soluble Manganese | mg/L | | <0.020 | <0.02 | <0.020 | |
| Total Lead | mg/L | | | | | |
| Soluble Lead | mg/L | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,1,1-Trichloroethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,1,2,2-Tetrachloroethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,1,2-Trichloroethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,1-Dichloroethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,1-Dichloroethene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,1-Dichloropropene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2,3-Trichlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2,3-Trichloropropane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2,4-Trichlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2,4-Trimethylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2-Dibromo-3-chloropropane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2-Dibromoethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2-Dichlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2-Dichloroethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,2-Dichloropropane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,3,5-Trimethylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,3-Dichlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,3-Dichloropropane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 1,4-Dichlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 2,2-Dichloropropane | ug/L | | <1.0 | <1.0 | <1.0 | |
| 2-Chlorotoluene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 4-Chlorotoluene | ug/L | | <1.0 | <1.0 | <1.0 | |
| 4-Isopropyltoluene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Benzene | ug/L | | <.5 | <.5 | <.5 | |
| Bromobenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Bromochloromethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Bromodichloromethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Bromoform | ug/L | | <1.0 | <1.0 | <1.0 | |
| Bromomethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Carbon tetrachloride | ug/L | | <1.0 | <1.0 | <1.0 | |
| Chlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Chloroethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Chloroform | ug/L | | <1.0 | <1.0 | <1.0 | |
| Chloromethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| cis-1,2-Dichloroethene | ug/L | | <1.0 | <1.0 | <1.0 | |
| cis-1,3-Dichloropropene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Dibromochloromethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Dibromomethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Dichlorodifluoromethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Ethylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Hexachlorobutadiene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Isopropylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Methylene chloride | ug/L | | <1.0 | <1.0 | <1.0 | |
| m-Xylene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Naphthalene | ug/L | | <1.0 | <1.0 | <1.0 | |
| n-Butylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| n-Propylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| o-Xylene | ug/L | | <1.0 | <1.0 | <1.0 | |
| p-Xylene | ug/L | | <1.0 | | | |
| sec-Butylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Styrene | ug/L | | <1.0 | <1.0 | <1.0 | |
| tert-Butylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Tetrachloroethene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Toluene | ug/L | | <1.0 | <1.0 | <1.0 | |
| trans-1,2-Dichloroethene | ug/L | | <1.0 | <1.0 | <1.0 | |
| trans-1,3-Dichloropropene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Trichloroethene | ug/L | | <1.0 | <1.0 | <1.0 | |
| Trichlorofluoromethane | ug/L | | <1.0 | <1.0 | <1.0 | |
| Vinyl chloride | ug/L | | <1.0 | <1.0 | <1.0 | |

| Quarter > | | 1ST 2001 | 2ND 2001 | 3RD 2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | Not | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.28.05 | 9.28.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/20/2006 | 3/27/2007 | 6/25/2007 | 9/20/2007 | 12/27/2007 |
| Top of Casing Elevation | Feet | 763.64 | 763.64 | 763.64 | Sampled | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 | 763.64 |
| Water Level | Feet | 22.38 | 24.72 | 27.6 | | 21.59 | 21.81 | 25.71 | 26.83 | 18.78 | 22.93 | 25.85 | 23.37 | 20.69 | 20.49 | 22.5 | 20.88 | 18.28 | 21.52 | 24 | 20.52 | 23.46 | 24.02 | 19.31 | 17.1 | 20.81 | 24.31 | 22.55 |
| Water Elevation (Before Purge) | | 741.26 | 738.92 | 736.04 | | 742.05 | 741.83 | 737.93 | 736.81 | 744.86 | 740.71 | 737.79 | 740.27 | 742.95 | 743.15 | 741.14 | 742.76 | 745.36 | 742.12 | 739.64 | 743.12 | 740.18 | 739.62 | 744.33 | 746.54 | 742.83 | 739.33 | 741.09 |
| Well Bottom | Feet | 33.4 | 33.4 | 33.4 | | 33.4 | 33.4 | 33.4 | 32.37 | 33.43 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6.25.03 | 6.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.29.05 | 9.28.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/21/2006 | 3/27/2007 | 6/26/2007 | 9/20/2007 | 12/28/2007 |
| Laboratory Sample Number: | | 08201043 | 17701003 | 31101005 | | 9102015 | 17602024 | 26102036 | 33102090 | 7103088 | 17703064 | 26803064 | 34503035 | | | | 4124034 | 3 | U0506555-003 | U0509443-003 | U0603145-004 | U0606481-003 | U0609386-004 | U0612471-003 | U0703462-003 | U0706507-004 | U0709291-003 | U0801010-004 |
| Eh | mV | 150 | 80 | 120 | | -72 | -60 | -61 | -49 | -93 | -72 | -26 | -35 | -74 | -85 | -79 | -40 | -15 | -60 | -65 | -75 | -80 | -80 | 111 | 85 | -94 | -76 | -141 |
| pH | Std. | 7.4 | 7.4 | 7.6 | | 7.54 | 7.75 | 7.38 | 7.91 | 7.86 | 8.04 | 7.26 | 7.55 | 8.24 | 7.97 | 8.41 | 7.52 | 7.43 | 7.92 | 8.48 | 7.86 | 8.24 | 8.41 | 7.31 | 7.74 | 7.68 | 8.31 | 8.43 |
| Specific Conductance | umhos/cm | 800 | 700 | 800 | | 310 | 505 | 534 | 492 | 659 | 660 | 503 | 479 | 483 | 659 | 631 | 565 | 486 | 555 | 825 | 617 | 682 | 679 | 654 | 455 | 376 | 269 | 817 |
| Turbidity | NTU | 185 | 17.1 | 6.3 | | 3.82 | 12.1 | 10.2 | 9.46 | 12.5 | 69.4 | 2.33 | 3.48 | 38.6 | 214 | 111 | 29.9 | 12.5 | 64.1 | 44.5 | 24.7 | 7.43 | 11.6 | 6.49 | 57 | 38.9 | 48.7 | 8.13 |
| Temperature | øC | 9 | 11 | 12 | | 11.4 | 15.1 | 13.6 | 10.4 | 8.9 | 15.6 | 13.5 | 10.7 | 12 | 20.6 | 11.6 | 8.1 | 10.8 | 15.2 | 17 | 8.7 | 16.2 | 14.9 | 9.8 | 14.2 | 14 | 15.9 | 8.8 |
| Nitrate | mg/L | 0.5 | 0.3 | 0.4 | | 0.3 | 0.3 | 0.2 | <0.2 | <0.2 | 0.4 | 0.5 | 0.2 | 0.8 | 0.8 | 0.2 | <.20 | <0.2 | 0.32 | 0.56 | 0.45 | 0.46 | 0.47 | 0.506 | 0.343 | 0.499 | 0.409 | 0.537 |
| Alkalinity | mg/L | 360 | 350 | 330 | | 370 | 280 | 410 | 390 | 350 | 340 | 350 | 370 | 360 | 360 | 700 | 540 | 360 | 340 | 380 | 340 | 700 | 360 | 370 | 370 | 370 | 430 | 410 |
| Chloride | mg/L | 3 | 4 | 3 | | 3 | 13 | 7 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3.32 | 4.34 | 5.36 | 7.91 | 126 | 3.86 | 5.76 | 3.73 | 9.19 | 4.52 | 4.7 | 30.7 | 4.1 |
| Ammonia | mg/L | -0.05 | 170 | <0.5 | | <0.5 | <0.5 | 0.9 | <0.5 | <0.5 | 0.6 | 0.8 | 0.8 | 1.6 | <0.5 | <.5 | 0.823 | 1.97 | 3.29 | 1.15 | <.5 | 20.5 | <.5 | 0.693 | 21.2 | <0.500 | <0.500 | <0.500 |
| Total Organic Carbon | mg/L | 1 | 4 | 1 | | <3.0 | <3.0 | <3.0 | <3.0 | <3 | <3 | 4 | <3 | <3 | <3.0 | <3 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | 3 | <3.0 | <3.0 | <3.0 | 19.5 |
| Total Iron | mg/L | 11 | 2 | 3.4 | | 0.32 | 1.4 | 0.28 | 0.12 | 1 | 0.1 | 0.56 | 0.18 | 2.1 | 6.9 | 1.4 | 8.2 | 3.9 | 2.7 | 2 | 0.5 | 0.23 | 0.45 | 0.23 | 2.3 | 0.98 | 2.1 | 1.9 |
| Total Manganese | mg/L | 0.29 | 0.05 | 0.1 | | <0.02 | 0.06 | 0.02 | <0.02 | 0.05 | <0.02 | 0.03 | <0.02 | 0.05 | 0.18 | 0.12 | 0.53 | 0.096 | 0.099 | 0.15 | 0.05 | <0.020 | <0.020 | <0.020 | 0.059 | 0.030 | 0.065 | 0.055 |
| Soluble Iron | mg/L | 0.04 | 0.12 | 0.04 | | 0.08 | 0.03 | 0.04 | 0.05 | 0.12 | 0.07 | 0.07 | 0.06 | 0.18 | 0.077 | 0.17 | 0.12 | 0.17 | 0.12 | 0.19 | <.030 | 0.034 | 0.035 | 3.7 | 0.036 | 0.039 | <0.030 | <0.030 |
| Soluble Manganese | mg/L | -0.02 | <0.02 | <0.02 | | 0.03 | 0.03 | <.02 | <.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.03 | <.02 | <.02 | <.020 | <0.02 | <0.02 | <0.02 | <.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethene | ug/L | <0.5 | <0.5 | 3 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromoethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Isopropyltoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Benzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromoform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | 1 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoromethane | ug/L | <0.5 | <0.5 | <0.02 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Ethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachlorobutadiene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Isopropylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| m & p Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Methylene chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | 0.8 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| o-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Styrene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toluene | ug/L | <0.5 | 2 | <0.5 | | <0.5 | 0.6 | 0.6 | <0.5 | 0.9 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | 2.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Vinyl chloride | ug/L | <0.5 | <0.5 | 2 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |

| Quarter > | | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | |
| Evacuation Date | | 3/3/2008 | 6/24/2008 | 9/25/2008 | 12/29/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | Feet | 763.64 | 763.64 | 764.48 | 764.48 | 764.48 | 764.48 | 764.48 |
| Water Level | Feet | 20.57 | 29.12 | 23.2 | 19.02 | 18.2 | 20.97 | 20.11 |
| Water Elevation (Before Purge) | | 743.07 | 734.52 | 741.28 | 745.46 | 746.28 | 743.51 | 744.37 |
| Well Bottom | Feet | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| Sample Date: | | 3/3/2008 | 6/24/2008 | 9/25/2008 | 12/30/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Laboratory Sample Number: | | U0803039-003 | U0806522-004 | U0809489-003 | U0812540-004 | U0903561-004 | U0907008-004 | U0910503-003 |
| | | | | | | | | |
| Eh | mV | -86 | -53 | -65 | -72 | -67 | 154 | 175 |
| pH | Std. | 8.5 | 7.93 | 8.15 | 8.29 | 8.44 | 7.88 | 7.39 |
| Specific Conductance | umhos/cm | 620 | 590 | 619 | 585 | 571 | 335 | 1140 |
| Turbidity | NTU | 84 | 36.4 | 289 | 33.4 | 46.4 | 106 | 148 |
| Temperature | øC | 12.2 | 15 | 16.9 | 10.9 | 8.4 | 16.1 | 12.6 |
| Nitrate | mg/L | <0.200 | 0.319 | 0.277 | 0.435 | 0.236 | 0.243 | <0.200 |
| Alkalinity | mg/L | 390 | 340 | 370 | 330 | 380 | 340 | 370 |
| Chloride | mg/L | 12.9 | 4.47 | 3.51 | 3.4 | 5.56 | 5.11 | 3.55 |
| Ammonia | mg/L | 3.11 | <0.500 | <0.500 | <0.500 | <0.500 | <.500 | <.500 |
| Total Organic Carbon | mg/L | 9.6 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 |
| Total Iron | mg/L | 2.4 | 0.85 | 2.1 | 0.67 | 0.64 | 1.8 | 0.88 |
| Total Manganese | mg/L | 0.58 | 0.026 | 0.17 | 0.03 | 0.023 | 0.18 | 0.14 |
| Soluble Iron | mg/L | 0.032 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | 0.065 |
| Soluble Manganese | mg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Total Lead | mg/L | | | | | | | |
| Soluble Lead | mg/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromoethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Chlorotoluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Chlorotoluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Isopropyltoluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Benzene | ug/L | <0.5 | <0.5 | <.5 | <.5 | <.5 | <.5 | <0.5 |
| Bromobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromoform | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromomethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorobenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,2-Dichloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromochloromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Ethylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachlorobutadiene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Isopropylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| m & p Xylene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Methylene chloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 13 |
| Naphthalene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Butylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| o-Xylene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| p-Xylene | ug/L | | | | | | | |
| sec-Butylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Styrene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toluene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichloroethene | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Vinyl chloride | ug/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |

| Quarterly Sampling Event | | 1ST 2001 | 2ND/2001 | 3RD2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | Not | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.28.05 | 12.19.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/20/2006 | 3/27/2007 | 6/25/2007 |
| Top of Casing Elevation | Feet | 757.52 | 757.52 | 757.52 | Sampled | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 | 757.52 |
| Water Level | Feet | 29.95 | 34.6 | 34.08 | | 33.03 | 33.18 | 33.94 | 33.56 | 33.12 | 33.41 | 33.36 | 33.8 | 33.2 | 33.71 | 33.73 | 33.84 | 34.78 | 34.44 | 33.3 | 33.2 | 33.63 | 33.44 | 33.78 | 20.12 | 34.3 |
| Water Elevation (Before Purge) | | 727.57 | 722.92 | 723.44 | | 724.49 | 724.34 | 723.58 | 723.96 | 724.4 | 724.11 | 724.16 | 723.72 | 724.32 | 723.81 | 723.79 | 723.68 | 722.74 | 723.08 | 724.22 | 724.32 | 723.89 | 724.08 | 723.74 | 737.4 | 723.22 |
| Well Bottom | Feet | 48.9 | 48.9 | 48.9 | | 48.9 | 48.9 | 48.9 | 48.72 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/26/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.29.05 | 12.20.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/21/2006 | 3/27/2007 | 6/26/2007 |
| Laboratory Sample Number: | | 08201048 | 17701005 | 31101006 | | 9102016 | 17602023 | 26102038 | 33102091 | 7103089 | 17703065 | 26803065 | 34503036 | 9004028 | U0406352-015 | U0410029-004 | 41240314 | 4 | U050655-013 | U0512340-008 | U0603145-014 | U0606481-004 | U0609386-016 | U0612417-004 | U0703462-004 | U0706507-013 |
| Eh | mV | > range | <-80 | <-80 | | -24 | -25 | -25 | -21 | -25 | -30 | -17 | -5 | -26 | -60 | -18 | -24 | -20 | -20 | -15 | -30 | -40 | -50 | -10 | -47 | -44 |
| pH | Std. | 7.1 | 7.1 | 7.1 | | 6.81 | 7.14 | 6.74 | 7.34 | 7.29 | 7.46 | 7.14 | 7.04 | 7.29 | 7.56 | 7.09 | 7.28 | 7.13 | 7.11 | 7.86 | 6.92 | 7.43 | 7.95 | 7.03 | 7.00 | 6.74 |
| Specific Conductance | umhos/cm | 2400 | 2000 | 1800 | | 1540 | 1695 | 1579 | 1414 | 1741 | 2300 | 1549 | 1347 | 1542 | 2230 | 2550 | 1803 | 1901 | 2370 | 2310 | 2310 | 2340 | 2120 | 3090 | 1584 | 895 |
| Turbidity | NTU | 41.3 | 23.7 | 21.2 | | 29.4 | 31 | 32.7 | 22.1 | 43.2 | 7.57 | 0.89 | 18.6 | 66.7 | 38.5 | 22.8 | 32.8 | 256 | 31.6 | 20.6 | 21.4 | 15.2 | 22.7 | 10.6 | 29.2 | 16.8 |
| Temperature | ØC | 4 | 13 | 12 | | 12 | 15.1 | 12.6 | 9.8 | 7.4 | 17 | 12.2 | 8.5 | 14.2 | 17.3 | 12.3 | 8.3 | 11.8 | 15.6 | 5.5 | 7.6 | 15.6 | 11.7 | 7.6 | 17.9 | 17.7 |
| Nitrate | mg/L | <0.2 | <0.2 | <0.2 | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | L.2 | <0.2 | <.2 | <.20 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.236 |
| Alkalinity | mg/L | 960 | 730 | 740 | | 540 | 460 | 710 | 690 | 650 | 860 | 780 | 650 | 910 | 710 | 910 | 1000 | 920 | 1200 | 910 | 800 | 600 | 770 | 690 | 790 | 300 |
| Chloride | mg/L | 270 | 160 | 250 | | 73 | 170 | 340 | 290 | 270 | 290 | 300 | 320 | 280 | 320 | 306 | 322 | 791 | 480 | 308 | 424 | 262 | 280 | 358 | 254 | 424 |
| Ammonia | mg/L | 2.6 | 16 | 2.2 | | <.5 | <.5 | 1.6 | 0.6 | 2.2 | 4.4 | 3.1 | 1.6 | 5.5 | <0.5 | 7.27 | 8.23 | 7.24 | 11.4 | 6.25 | 1.44 | 0.504 | 3.23 | 3.31 | 6.04 | 1.89 |
| Total Organic Carbon | mg/L | 76 | 59 | 110 | | 11 | 41 | 21 | 35 | 9 | 17 | 10 | 5 | 40 | 12 | 160 | 147 | 72 | 7 | 160 | 100 | 4 | 36 | 6 | 26.4 | 32.1 |
| Total Iron | mg/L | 9.6 | 4.4 | 7.1 | | 1.1 | 7.6 | 2.4 | 4.4 | 1.5 | 14 | 30 | 0.55 | 31 | 6.9 | 27 | 62 | 66 | 16 | 7.8 | 18 | 5.7 | 13 | 9.6 | 55 | 1.1 |
| Total Manganese | mg/L | 0.27 | 0.17 | 0.14 | | 0.07 | 0.08 | 0.08 | 0.11 | 0.11 | 0.16 | 0.15 | 0.06 | 0.32 | 0.15 | 0.32 | 0.46 | 0.19 | 0.21 | 0.14 | 0.16 | 0.14 | 0.11 | 0.087 | 0.20 | 0.11 |
| Soluble Iron | mg/L | 0.43 | 0.64 | 0.15 | | 0.15 | 0.27 | 0.05 | 0.05 | 0.73 | 2.1 | 1 | 2.1 | 0.47 | 0.079 | 8.2 | 0.067 | 6.2 | 12 | 2.6 | 8.7 | 0.032 | 2.3 | 0.15 | 0.17 | 0.095 |
| Soluble Manganese | mg/L | 0.22 | 0.15 | 0.11 | | 0.08 | 0.1 | 0.07 | 0.09 | 0.1 | 0.13 | 0.09 | 0.11 | 0.12 | 0.15 | 0.18 | 0.15 | 0.18 | 0.18 | 0.12 | 0.16 | 0.07 | 0.12 | 0.085 | 0.16 | 0.11 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | ug/L | <5 | <5 | <5 | | <5 | 1 | 4 | <0.5 | <3 | <5 | <5 | 3 | <2 | <2.0 | <10 | <10 | <10 | 1 | 30 | 20 | 1.3 | 3.8 | 3 | 5.2 | 1.2 |
| 1,1-Dichloroethene | ug/L | <5 | 6 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | 2 | <2.0 | 11 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-chloropropane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromoethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Chlorotoluene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Chlorotoluene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Isopropyltoluene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Benzene | ug/L | 6 | <5 | <5 | | <5 | <1 | <3 | 0.5 | <3 | <5 | <5 | 2 | 5 | <1.0 | 6.5 | 6.9 | 5.9 | <0.5 | <0.5 | <0.5 | 0.85 | 2.9 | 2.4 | 4.1 | 1.5 |
| Bromobenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | 4 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromoform | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromomethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorobenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | 14 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | 15 | 5.7 | 23 | 12 |
| Chloroform | ug/L | <5 | <5 | <5 | | <5 | <1 | 13 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | ug/L | 8 | 17 | 11 | | <5 | 4 | <3 | <0.5 | <3 | <5 | 11 | <2 | 11 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.6 |
| cis-1,2-Dichloroethene | ug/L | <5 | <5 | <5 | | <5 | 2 | <3 | <0.5 | <3 | <5 | <5 | 9 | <2 | <2.0 | 34 | 18 | <10 | 2.4 | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromochloromethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoromethane | ug/L | 15 | 5 | <0.5 | | <5 | 2 | <3 | <0.5 | <3 | <5 | <5 | <2 | 8 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Ethylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | 5 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachlorobutadiene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Isopropylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Methylene chloride | ug/L | 55 | 31 | 16 | | 26 | 14 | 24 | 2 | 6 | <5 | <5 | 6 | <2 | <2.0 | 150 | <10 | 10 | 15 | 130 | <1.0 | <1.0 | 2.5 | 2.3 | 7.3 | 7.9 |
| m-Xylene | ug/L | <5 | <0.5 | <5 | | <10 | <1 | <5 | <1.0 | <3 | <10 | <5 | <4 | <4 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Butylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | 2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | 4 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| o-Xylene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| p-Xylene | ug/L | | <0.5 | <5 | | <10 | <1 | <5 | <1.0 | <3 | <10 | <5 | <4 | <4 | <2.0 | <10 | <10 | <10 | <1.0 | | | | | | | |
| sec-Butylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Styrene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | ug/L | <5 | <0.5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toluene | ug/L | 290 | 200 | 110 | | 31 | 21 | 93 | 30 | 60 | 84 | 35 | 6 | 32 | 2.8 | 210 | 240 | 98 | 13 | 280 | 300 | 3.5 | 37 | 6.2 | 5.9 | 2.1 |
| trans-1,2-Dichloroethene | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichloroethene | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | ug/L | <5 | <5 | <5 | | <5 | <1 | <3 | <0.5 | <3 | <5 | <5 | <2 | <2 | <2.0 | <10 | <10 | <10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Vinyl chloride | ug/L | <5 | 11 | 9 | | <5 | 3 | <3 | <0.5 | 6 | 6 | <5 | <2 | <2 | <2.0 | 28 | <10 | <10 | 1.1 | 41 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.4 |

| Quarterly Sampling Event | | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | |
| Evacuation Date | | 9/20/2007 | Not | 3/3/2008 | Not | 9/25/2008 | Not | Not | Not | 10/22/2009 |
| Top of Casing Elevation | Feet | 757.52 | Sampled | 757.52 | Sampled | 757.52 | Sampled | Sampled | Sampled | 757.52 |
| Water Level | Feet | 34.12 | | 29.37 | | 33.66 | | | | 32.93 |
| Water Elevation (Before Purge) | | 723.4 | | 728.15 | | 723.86 | | | | 724.59 |
| Well Bottom | Feet | 48.9 | | 48.9 | | 48.9 | | | | 48.9 |
| Sample Date: | | 9/20/2007 | | 3/3/2008 | | 9/25/2008 | | | | 10/22/2009 |
| Laboratory Sample Number: | | U0709291-004 | | U0803039-004 | | U0809489-004 | | | | U0910503-004 |
| | | | | | | | | | | |
| Eh | mV | -36 | | -43 | | -24 | | | | 208 |
| pH | Std. | 7.4 | | 7.66 | | 7.36 | | | | 6.8 |
| Specific Conductance | umhos/cm | 645 | | 1882 | | 1961 | | | | 363 |
| Turbidity | NTU | 23.7 | | 13.7 | | 105 | | | | 19.4 |
| Temperature | ØC | 14.6 | | 15.1 | | 15.8 | | | | 10.7 |
| Nitrate | mg/L | <0.200 | | <0.200 | | <0.200 | | | | <0.200 |
| Alkalinity | mg/L | 560 | | 650 | | 1000 | | | | 740 |
| Chloride | mg/L | 529 | | 308 | | 302 | | | | 312 |
| Ammonia | mg/L | 0.847 | | 1.17 | | 3.32 | | | | 3.47 |
| Total Organic Carbon | mg/L | 7.1 | | 52.4 | | 65 | | | | 4.5 |
| Total Iron | mg/L | 0.55 | | 0.34 | | 23 | | | | 2.6 |
| Total Manganese | mg/L | 0.085 | | 0.083 | | 0.19 | | | | 0.11 |
| Soluble Iron | mg/L | 0.045 | | 0.051 | | 0.43 | | | | <0.030 |
| Soluble Manganese | mg/L | 0.094 | | 0.088 | | 0.13 | | | | 0.12 |
| Total Lead | mg/L | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,1,1-Trichloroethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,1,2-Trichloroethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,1-Dichloroethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,1-Dichloroethene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,1-Dichloropropene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2,3-Trichloropropane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2,4-Trichlorobenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2-Dibromoethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2-Dichlorobenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2-Dichloroethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,2-Dichloropropane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,3-Dichlorobenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,3-Dichloropropane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 1,4-Dichlorobenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 2,2-Dichloropropane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 2-Chlorotoluene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 4-Chlorotoluene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| 4-Isopropyltoluene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Benzene | ug/L | 0.94 | | 1.6 | | 4.2 | | | | 2.6 |
| Bromobenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Bromochloromethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Bromodichloromethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Bromoform | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Bromomethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Carbon tetrachloride | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Chlorobenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Chloroethane | ug/L | 8.8 | | 7 | | 27 | | | | 5.5 |
| Chloroform | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Chloromethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| cis-1,2-Dichloroethene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| cis-1,3-Dichloropropene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Dibromochloromethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Dibromomethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Dichlorodifluoromethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Ethylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Hexachlorobutadiene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Isopropylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Methylene chloride | ug/L | 5.6 | | <1.0 | | <2.0 | | | | <1.0 |
| m-Xylene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Naphthalene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| n-Butylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| n-Propylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| o-Xylene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| p-Xylene | ug/L | | | | | | | | | |
| sec-Butylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Styrene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| tert-Butylbenzene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Tetrachloroethene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Toluene | ug/L | 3.2 | | 1.6 | | 22 | | | | <1.0 |
| trans-1,2-Dichloroethene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| trans-1,3-Dichloropropene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Trichloroethene | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Trichlorofluoromethane | ug/L | <1.0 | | <1.0 | | <2.0 | | | | <1.0 |
| Vinyl chloride | ug/L | 2.3 | | <1.0 | | <2.0 | | | | <1.0 |

| Quarter > | | 1ST/01 | 2ND/01 | 3RD/01 | 4TH/01 | 1ST/02 | 2ND/02 | 3RD/02 | 4TH/02 | 1ST 2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2005 | 3rd 2007 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | | 11/6/2001 | Not | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.28.05 | 9.28.05 | 9/20/2007 | 03.07.06 | Dry | 9.21.06 | 12.20.06 | 3/27/2007 | 6/25/2007 |
| Top of Casing Elevation | Feet | 734.71 | 734.71 | 734.71 | Sampled | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | Not | 734.71 | 734.71 | 734.71 | 734.71 |
| Water Level | Feet | 11.9 | | | | 19.83 | NA | NA | NA | NA | 20.8 | 22.81 | NA | NA | NA | NA | NA | NA | NA | NA | 16.33 | NA | Sampled | NA | NA | 18.5 | 21.08 |
| Water Elevation (Before Purge) | | 722.81 | | | | 714.88 | NA | NA | NA | NA | 710.91 | 711.19 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | NA | NA | 716.21 | 713.63 |
| Well Bottom | Feet | | | | | | NA | NA | NA | NA | NA | NA | 37.26 | 37.26 | 37.26 | 37.26 | 37.26 | 38.26 | 37.26 | 37.26 | 32.02 | 37.26 | | 37.26 | 37.26 | 37.26 | 37.26 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.29.05 | 9.28.05 | 9/20/2007 | 03.07.06 | | 9.21.06 | 12.21.06 | 3/27/2007 | 6/26/2007 |
| Laboratory Sample Number: | | 08201052 | 17701008 | 31101008 | | 9102019 | 17602026 | 26102041 | 33102094 | 7103092 | 17703066 | 26803066 | 34503037 | 9004029 | U0406352-005 | U0410029-005 | 4124035 | 5 | U0506555-004 | U0509443-005 | U0709291-001 | U0603145-005 | | U0609386-005 | U0612417-005 | U0703462-005 | U0706507-005 |
| Eh | mV | 45 | 55 | 85 | | -51 | NA | -47 | -41 | -51 | -86 | -32 | -35 | -50 | -98 | -74 | -55 | -40 | -60 | -60 | -39 | -70 | | -60 | 76 | 13 | -115 |
| pH | Std. | 7.7 | 7.4 | 7.3 | | 7.27 | 7.79 | 7.14 | 7.72 | 7.72 | 8.48 | 7.37 | 7.59 | 7.79 | 8.22 | 8.23 | 7.77 | 7.5 | 7.89 | 8.32 | 7.44 | 7.75 | | 8.44 | 7.31 | 7.72 | 8.36 |
| Specific Conductance | umhos/cm | 520 | 1700 | 1500 | | 685 | 986 | 1092 | 742 | 1781 | 2780 | 910 | 915 | 1007 | 1549 | 1329 | 904 | 994 | 1379 | 987 | 284 | 1947 | | 952 | 1409 | 738 | 1215 |
| Turbidity | NTU | 15.2 | 11.7 | 5.6 | | 3.74 | 16.4 | 49.1 | 6.49 | 5.93 | 7.06 | 4.69 | 7.27 | 1.82 | 48.6 | 242 | 5.23 | 13.9 | 34.5 | 7.49 | 4.92 | 7 | | 9.9 | 6.49 | 72.2 | 18.9 |
| Temperature | øc | 4 | 15 | 14 | | 10.6 | NA | 15.9 | 11.3 | 6.9 | 15.5 | 15.3 | 9 | 10.1 | 15.9 | 11.8 | 10.6 | 8.7 | 12.2 | 17.5 | 14.2 | 7.99 | | 15.7 | 10.3 | 16.2 | 20.1 |
| Nitrate | mg/L | <0.2 | 3.3 | 3.4 | | 3.3 | 1.5 | 3.1 | <0.2 | 2.9 | 1.3 | 2.8 | 1.3 | 3.2 | 1.6 | 0.2 | <.20 | 3.3 | 0.9 | 1.3 | 0.2 | 2.5 | | 1.8 | 1.14 | 1.73 | 0.765 |
| Alkalinity | mg/L | 150 | 1500 | 270 | | 200 | 240 | 370 | 280 | 190 | 300 | 320 | 310 | 270 | 300 | 450 | 430 | 240 | 300 | 360 | 580 | 260 | | 300 | 340 | 210 | 300 |
| Chloride | mg/L | 55 | 230 | 190 | | 34 | 120 | 190 | 160 | 400 | 690 | 150 | 240 | 300 | 330 | 161 | 225 | 689 | 526 | 203 | 120 | 442 | | 108 | 297 | 169 | 141 |
| Ammonia | mg/L | <0.5 | 8.6 | <0.5 | | 0.8 | 2.3 | 3.1 | 0.6 | <0.5 | <0.5 | 1.4 | <0.5 | <.5 | <0.5 | <.5 | 0.823 | <0.5 | 0.823 | <0.500 | 4.42 | <0.500 | | <0.500 | <0.500 | <0.500 | <0.500 |
| Total Organic Carbon | mg/L | 2 | 3 | 4 | | <3 | <3 | 5 | 7 | <3 | 6 | 5 | 3 | 3 | <3.0 | 8 | 3 | <3.0 | 3 | 4 | 7.8 | <3.0 | | 4 | 4 | <3.0 | 71 |
| Total Iron | mg/L | 1.8 | 4.4 | 0.85 | | 0.45 | 9.3 | 6.3 | 0.08 | 0.61 | 4 | 1 | 53 | 0.08 | 7.2 | 57 | 4.3 | 1.3 | 1.7 | 0.75 | 5.4 | 0.47 | | 0.42 | 1.6 | 4.4 | 9.3 |
| Total Manganese | mg/L | 0.03 | 0.17 | <0.02 | | <0.02 | 0.31 | 0.42 | <0.02 | <0.02 | 0.3 | 0.03 | 0.88 | <.02 | 0.23 | 1.3 | 0.31 | 0.18 | 0.079 | <0.020 | 0.13 | 0.08 | | 0.12 | 0.32 | 0.055 | 0.84 |
| Soluble Iron | mg/L | 0.08 | 0.15 | 0.07 | | 0.07 | 0.04 | 0.06 | 0.05 | 0.05 | 0.04 | 0.08 | 0.08 | 0.11 | 0.056 | 2.4 | 0.055 | 0.046 | 0.08 | 0.18 | 0.093 | 0.035 | | 0.09 | 0.076 | 0.086 | 0.033 |
| Soluble Manganese | mg/L | 0.02 | <0.02 | <0.02 | | <0.02 | <0.02 | 0.39 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <.02 | <0.02 | 0.25 | <.020 | <0.02 | <0.02 | <0.020 | 0.11 | <0.020 | | <0.020 | <0.020 | 0.033 | <0.020 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <0.5 | 2 | 2 | | <0.5 | 1 | 1 | <0.5 | 0.5 | 0.6 | 1 | 1 | <1 | <1 | 1.4 | <1 | <1 | 1.5 | 1.7 | <1 | 1.2 | | 1.6 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | <1 | | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <.5 | <0.5 | <0.50 | <0.50 | <.50 | <.50 | <.50 | <.50 | <.50 | 1.6 | <.50 | | <.50 | <.50 | <0.50 | <0.50 |
| Bromobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | 0.9 | <0.5 | 2 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.8 | <1 | | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | | <1 | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | 1.4 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | 3 | 3 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Naphthalene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | 0.7 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | <1 | <1 | <1 | | | | | <1 | <1 | | |
| sec-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | 2 | 4 | 9 | | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | <1 | 3 | 3.5 | 3.3 | 2.4 | 2.1 | <1 | <1 | 2.7 | | 4.5 | 2.5 | <1 | 1.9 |
| Toluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <0.5 | 2 | 2 | | 1 | 1 | 1 | 1 | 1 | 0.8 | 2 | 2 | <1 | 1.1 | 1.1 | 1.4 | <1 | 1.1 | 1.5 | <1 | 1 | | 2.1 | 1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |

| Quarter > | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|
| Evacuation Date | 9/20/2007 | 12/27/2007 | 3/3/2008 | 6/24/2008 | 9/25/2008 | 12/29/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 | 734.71 |
| Water Level | 18.5 | 20.91 | 20.91 | 21.01 | 21.01 | 21.01 | 20.73 | 20.81 | 20.88 |
| Water Elevation (Before Purge) | 716.21 | 713.8 | 713.8 | 713.7 | 713.7 | 713.7 | 713.98 | 713.9 | 713.83 |
| Well Bottom | 37.26 | 37.26 | 37.26 | 37.26 | 37.26 | 37.26 | 37.26 | 37.26 | 37.26 |
| Sample Date: | 9/20/2007 | 12/28/2007 | 3/3/2008 | 6/25/2008 | 9/25/2008 | 12/30/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Laboratory Sample Number: | U0709291-005 | U0801010-005 | U0803039-005 | U0806522-005 | U0809489-005 | U0812540-005 | U0903561-005 | U0907008-005 | U0910503-005 |
| Eh | -101 | -88 | -80 | -31 | -45 | -63 | -65 | 156 | 175 |
| pH | 8.17 | 8.17 | 8.4 | 7.55 | 7.8 | 8.22 | 8.29 | 8.01 | 7.42 |
| Specific Conductance | 1012 | 1165 | 426 | 1933 | 1342 | 605 | 1013 | 603 | 462 |
| Turbidity | 140 | 17.1 | 20.5 | 27.7 | 111 | 109 | 31.3 | 703 | 15.2 |
| Temperature | 17.8 | 9.7 | 11.4 | 12.9 | 17.8 | 10.6 | 8.5 | 14.2 | 14.3 |
| Nitrate | 3.35 | 1.55 | 1.09 | 3 | 1.24 | 0.87 | 1.9 | 3.41 | 0.464 |
| Alkalinity | 330 | 240 | 86 | 3000 | 330 | 140 | 210 | 290 | 280 |
| Chloride | 555 | 219 | 70.1 | 505 | 289 | 123 | 247 | 247 | 273 |
| Ammonia | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | <.500 | <.500 |
| Total Organic Carbon | 16.2 | < 3.0 | < 3.0 | <3.0 | 9.5 | 3.6 | <3.0 | 52 | 3.1 |
| Total Iron | 190 | 2.9 | 2.1 | 7 | 2.4 | 4 | 1.9 | 3.3 | 1.8 |
| Total Manganese | 5.9 | 0.15 | 0.043 | 0.31 | 1.2 | 0.079 | 0.14 | 1.1 | 0.28 |
| Soluble Iron | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | <0.030 | 0.041 | <0.030 | <0.030 |
| Soluble Manganese | <0.020 | <0.020 | <0.020 | <0.020 | 0.18 | 0.021 | <0.020 | 0.25 | 0.027 |
| Total Lead | | | | | | | | | |
| Soluble Lead | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | <1 | <1 | <1 | 1 | 1.3 | <1 | <1 | 1.1 | <1 |
| 1,1,2,2-Tetrachloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1 | <0.50 |
| Bromobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m/p-Xylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | <1 | <1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 |
| Naphthalene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | | | | | | | | | |
| sec-Butylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | <1 | 3.4 | <1 | 2.7 | 2.9 | <1 | <1 | 2.8 | 2.5 |
| Toluene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 |
| Trichlorofluoromethane | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |

| Quarter > | | 1ST 2001 | 2ND 2001 | 3RD 2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD 2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2007 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.28.05 | 9/20/2007 | 12.21.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/20/2006 | 3/27/2007 | 6/25/2007 |
| Top of Casing Elevation | Feet | 728.79 | 728.79 | 728.79 | Not | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 |
| Water Level | Feet | 6.1 | 13.7 | 10.15 | Sampled | 8.28 | 12.9 | 15.64 | 10.52 | 8.35 | 11.89 | 15.17 | 10.57 | 8.14 | 11.02 | 13.18 | 10.34 | 9.31 | 14.69 | 16.33 | 10.68 | 11.28 | 15.9 | 12.27 | 11.02 | 5.62 | 13.78 |
| Water Elevation (Before Purge) | | 722.69 | 715.09 | 718.64 | | 720.51 | 715.89 | 713.15 | 718.27 | 720.44 | 716.9 | 713.62 | 718.22 | 720.65 | 717.77 | 715.61 | 718.45 | 719.48 | 714.1 | 712.46 | 718.11 | 717.51 | 712.89 | 716.52 | 717.77 | 723.17 | 715.01 |
| Well Bottom | Feet | 26.21 | 26.21 | 26.21 | | 26.21 | 26.21 | 26.21 | 27.15 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 32.02 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.29.05 | 9/20/2007 | 12.21.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/21/2006 | 3/27/2007 | 6/26/2007 |
| Laboratory Sample Number: | | 08201044 | 17701009 | 31101010 | | 9102007 | 17602027 | 26102042 | 33102095 | 7103093 | 17703067 | 26803067 | 34503038 | 9004030 | U0406352-006 | U0410029-006 | 4124036 | 6 | U0506555-005 | U0709291-001 | U0512340-009 | U0603145-006 | U0606481-005 | U0609386-006 | U0612417-006 | U0703462-006 | U0706507-006 |
| Eh | mV | 120 | -25 | - | | -52 | -60 | 0.54 | -44 | -37 | -69 | -135 | -28 | -45 | -80 | -66 | -42 | -50 | -80 | -39 | -30 | -95 | -80 | -80 | 127 | 58 | -125 |
| pH | Std. | 7.5 | 7.5 | 7.7 | | 7.29 | 7.78 | 7.26 | 7.88 | 7.53 | 8.09 | 9.21 | 7.32 | 7.68 | 7.9 | 8.04 | 7.59 | 7.62 | 8.18 | 7.44 | 7.46 | 8.29 | 8.32 | 8.52 | 7.81 | 7.91 | 8.36 |
| Specific Conductance | umhos/cm | 1300 | 1600 | 3400 | | 1507 | 1279 | 1633 | 1655 | 3000 | 2160 | 1419 | 989 | 2120 | 1838 | 1174 | 1886 | 1826 | 1368 | 284 | 2560 | 1958 | 1109 | 1566 | 2380 | 653 | 602 |
| Turbidity | NTU | 11.1 | 10.8 | 9.7 | | 19.2 | 14.4 | 12.7 | 9.62 | 7.92 | 13.6 | 5.46 | 8.69 | 3.26 | 22.1 | 37.7 | 5.35 | 7.26 | 4.32 | 4.92 | 19.3 | 19.8 | 66.4 | 9.87 | 18.9 | 146 | 43.6 |
| Temperature | ØC | 5 | 12 | 13 | | 11 | 13.8 | 15.5 | 7 | 6.6 | 16.8 | 14.7 | 9.7 | 12.2 | 17 | 12.5 | 6.3 | 9.2 | 17.3 | 14.2 | 7.2 | 5.9 | 15.6 | 14.5 | 8.6 | 18.7 | 16.7 |
| Nitrate | mg/L | <0.2 | <0.2 | <0.2 | | 1.1 | 0.4 | <0.2 | <0.2 | <0.2 | <0.2 | <.2 | <0.2 | <.2 | <0.2 | <.2 | <.2 | <0.2 | <0.2 | <0.2 | 1.5 | 0.4 | <0.20 | <0.20 | 0.451 | 0.428 | 1.84 |
| Alkalinity | mg/L | 290 | 290 | 260 | | 190 | 360 | 280 | 290 | 260 | 310 | 300 | 310 | 270 | 320 | 310 | 440 | 250 | 260 | 580 | 250 | 300 | 390 | 280 | 220 | 260 | 280 |
| Chloride | mg/L | 170 | 110 | 770 | | 400 | 170 | 660 | 670 | 740 | 420 | 310 | 260 | 800 | 400 | 133 | 618 | 1630 | 439 | 120 | 776 | 455 | 190 | 1180 | 654 | 689 | 2380 |
| Ammonia | mg/L | <0.5 | 8 | <0.5 | | <0.5 | | 1.2 | <0.5 | <0.5 | <0.5 | 0.8 | <0.5 | <.5 | <0.5 | <.5 | 0.658 | <0.5 | <0.5 | 4.42 | 1.97 | <0.5 | <0.5 | <0.5 | <0.5 | 0.666 | <0.5 |
| Total Organic Carbon | mg/L | 2 | 3 | 2 | | <3 | | 4 | 6 | <3 | 4 | 5 | 3 | <3 | <3.0 | 4 | 3 | <3.0 | 4.0 | 7.8 | <3.0 | 3 | 4 | 4 | 4 | <3.0 | 3.4 |
| Total Iron | mg/L | 1.1 | 0.78 | 1.5 | | 2.5 | 2.9 | 1.7 | 0.27 | 2.7 | 11 | 3.7 | 2.4 | 1.4 | 1.3 | 2.8 | 1.3 | 0.67 | 2.3 | 5.4 | 6.3 | 1.4 | 1.2 | 0.87 | 2.7 | 11 | 6.3 |
| Total Manganese | mg/L | <0.02 | <0.02 | <0.02 | | 0.03 | 0.02 | 0.02 | <0.02 | 0.03 | <0.02 | 0.03 | 0.02 | 0.03 | <0.02 | <.02 | 0.023 | <0.02 | <0.02 | 0.13 | 0.048 | <.02 | <.02 | <.02 | 0.046 | 0.037 | 0.036 |
| Soluble Iron | mg/L | 0.04 | 0.04 | 0.06 | | 0.09 | 0.3 | 0.03 | 0.04 | 0.09 | 0.23 | 0.23 | 0.06 | 0.53 | 0.066 | 3.8 | 0.055 | 0.11 | 0.05 | 0.093 | 1.7 | 0.37 | 0.06 | 0.04 | 0.074 | 0.055 | 0.16 |
| Soluble Manganese | mg/L | <0.02 | <0.02 | <0.02 | | <0.02 | | <0.02 | <0.02 | 0.02 | <0.02 | <.02 | <0.02 | 0.03 | <0.02 | 0.056 | <.020 | <0.02 | <0.02 | 0.11 | 0.26 | <.02 | <.02 | <.02 | <0.02 | <0.020 | <0.02 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <.5 | <0.5 | <.5 | <0.5 | <.5 | <.5 | <.5 | <.5 | 1.6 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| Bromobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | 2 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.4 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | 2 | 0.9 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | 1 | 2 | 7.2 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |

| Quarter > | | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | |
| Evacuation Date | | 9/20/2007 | 12/27/2008 | 3/3/2008 | 6/24/2008 | 9/25/2008 | 12/29/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | Feet | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 | 728.79 |
| Water Level | Feet | 15.37 | 9.1 | 7.53 | 12.67 | 12.73 | 1.78 | 12.5 | 12.5 | 12.17 |
| Water Elevation (Before Purge) | | 715.01 | 719.69 | 721.26 | 716.12 | 716.06 | 727.01 | 716.29 | 716.29 | 716.62 |
| Well Bottom | Feet | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 | 26.21 |
| Sample Date: | | 9/20/2007 | 12/28/2007 | 3/3/2008 | 6/25/2008 | 9/25/2008 | 12/30/2008 | 3/30/2009 | 6/29/22009 | 10/22/2009 |
| Laboratory Sample Number: | | U0709291-006 | U0801010-006 | U0803039-006 | U0806522-006 | U0809489-006 | U0812540-006 | U0903561-006 | U0907008-006 | U0910503-006 |
| | | | | | | | | | | |
| Eh | mV | -38 | -73 | -58 | -52 | -44 | -61 | -58 | 105 | 201 |
| pH | Std. | 7.4 | 8.04 | 8.01 | 7.92 | 7.78 | 8.12 | 8.28 | 8.68 | 6.96 |
| Specific Conductance | umhos/cm | 350 | 325 | 1667 | 1034 | 293 | 543 | 1089 | 448 | 1214 |
| Turbidity | NTU | 48 | 8.13 | 107 | 231 | 690 | 9.74 | 112 | 6.83 | 414 |
| Temperature | ØC | 16.3 | 9.2 | 10.5 | 13.4 | 16.6 | 4.4 | 6.7 | 15.5 | 12.5 |
| Nitrate | mg/L | 2.3 | <0.200 | <0.200 | 0.551 | <0.200 | 0.403 | <.200 | 0.365 | <0.200 |
| Alkalinity | mg/L | 310 | 340 | 240 | 260 | 210 | 100 | 250 | 240 | 220 |
| Chloride | mg/L | 5700 | 990 | 457 | 308 | 1090 | 127 | 299 | 85.5 | 1890 |
| Ammonia | mg/L | <0.5 | <0.5 | <0.5 | <0.500 | <0.500 | <.5 | <.5 | <.5 | <0.50 |
| Total Organic Carbon | mg/L | 3.1 | 3.8 | <3.0 | <3.0 | <3.0 | 4.9 | <3.0 | 3.4 | <3.0 |
| Total Iron | mg/L | 1.2 | 0.54 | 27 | 15 | 10 | 0.29 | 1.6 | 1.3 | 7.2 |
| Total Manganese | mg/L | <0.020 | <0.020 | 0.1 | 0.042 | 0.065 | <0.020 | <0.020 | <0.020 | 0.044 |
| Soluble Iron | mg/L | 0.11 | <0.030 | 0.06 | 0.14 | <0.030 | 0.068 | 0.032 | <0.030 | <0.030 |
| Soluble Manganese | mg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Total Lead | mg/L | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <0.50 | <0.50 |
| Bromobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <1 | <1 | <1 | <1 | <1 | 9.9 | <1 | <1 | <1 |
| Naphthalene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | |
| sec-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |

| Quarter > | | 1ST 2001 | 2ND 2001 | 3RD 2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2007 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 21.21.04 | 3.31.05 | 6.28.05 | 9/20/2007 | 12.21.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/20/2006 | 3/27/2007 | 6/25/2007 |
| Top of Casing Elevation | Feet | 733.62 | 733.62 | 733.62 | Not | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 |
| Water Level | Feet | 10.9 | 16.9 | 15.2 | Sampled | 12.21 | 16.67 | 19.96 | 15.95 | 13.91 | 16.35 | 17.38 | 14.62 | 12.21 | 15.36 | 16.38 | 14.32 | 13.54 | 16.11 | 16.33 | 14.78 | 15.34 | 19.67 | 15 | 15.49 | 10.72 | 19.67 |
| Water Elevation (Before Purge) | | 722.72 | 716.72 | 718.42 | | 721.41 | 716.95 | 713.66 | 717.67 | 719.71 | 717.27 | 716.24 | 719 | 721.41 | 718.26 | 717.24 | 719.3 | 720.08 | 717.51 | 717.29 | 718.84 | 718.28 | 713.95 | 718.62 | 718.13 | 722.9 | 713.95 |
| Well Bottom | Feet | 32.05 | 32.05 | 32.05 | | 32.05 | 32.05 | 32.05 | 32.02 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.02 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.29.05 | 9/20/2007 | 12.21.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12/21/2006 | 3/27/2007 | 6/26/2007 |
| Laboratory Sample Number: | | 08201045 | 17701010 | 31101011 | | 9102008 | 17602028 | 26102043 | 33102096 | 7103094 | 17703068 | 26803068 | 34503039 | 9004031 | U0406352-007 | U0410029-007 | 4124037 | 7 | U0506555-006 | U0709291-001 | U0512340-010 | U0603145-007 | U0606481-006 | U0609386-007 | U0612417-007 | U0703462-007 | U0706507-007 |
| Eh | mV | 145 | 45 | - | | -41 | -47 | -33 | -39 | -32 | -58 | -56 | -25 | 0.5 | -73 | -33 | -42 | -55 | -50 | -39 | -45 | -55 | -50 | -75 | 106 | 136 | -96 |
| pH | Std. | 7.1 | 7.1 | 7.6 | | 7.11 | 7.55 | 6.88 | 7.62 | 7.43 | 7.89 | 7.82 | 7.38 | 7.69 | 7.76 | 7.31 | 7.59 | 7.77 | 7.73 | 7.44 | 7.36 | 7.66 | 7.43 | 8.36 | 7.53 | 7.82 | 7.78 |
| Specific Conductance | umhos/cm | 3100 | 4800 | 2600 | | 2040 | 2090 | 2880 | 1572 | 397 | 4510 | 2820 | 1173 | 1630 | 2360 | 3860 | 1479 | 1718 | 4000 | 284 | 4800 | 3650 | 6080 | 1807 | 1900 | 3190 | 1824 |
| Turbidity | NTU | 6.5 | 3.94 | 18.3 | | 1.93 | 2.93 | 4.97 | 14.3 | 3.6 | 5.21 | 2.75 | 1.72 | 7.93 | 7.87 | 20.6 | 4.75 | 22.2 | 4.26 | 4.92 | 18.1 | 70.4 | 4.89 | 4.72 | 4.76 | 22.1 | 13.2 |
| Temperature | ØC | 9 | 13 | 13 | | 12.1 | 13.9 | 14.1 | 7.9 | 6.9 | 16 | 14.3 | 9.5 | 12 | 13.6 | 11.3 | 5.4 | 8.2 | 16 | 14.2 | 7.3 | 8 | 14.2 | 12.8 | 9.4 | 19.1 | 14.1 |
| Nitrate | mg/L | 2.5 | 1.3 | 1.3 | | 4.7 | 1.1 | 8.6 | <0.2 | 2.6 | 1.5 | 4.1 | 0.9 | 3.4 | 1.8 | 0.9 | 1 | 1.4 | 1.7 | 1.8 | 0.4 | 1.4 | 8.9 | 1.3 | 1.03 | 2.42 | 2.6 |
| Alkalinity | mg/L | 240 | 360 | 300 | | 330 | 460 | 420 | 380 | 250 | 320 | 410 | 300 | 260 | 330 | 430 | 480 | 270 | 360 | 580 | 290 | 320 | 380 | 320 | 320 | 240 | 350 |
| Chloride | mg/L | 140 | 980 | 690 | | 740 | 350 | 940 | 590 | 1000 | 1400 | 840 | 360 | 600 | 780 | 1010 | 500 | 893 | 1790 | 120 | 1160 | 694 | 2060 | 305 | 520 | 1080 | 1360 |
| Ammonia | mg/L | <0.05 | 8.5 | <0.50 | | 3.7 | 4.8 | 2.6 | 0.6 | 3.3 | <0.5 | <.5 | <0.5 | 2.8 | <0.5 | <.5 | <.5 | 2.8 | 3.62 | 4.42 | <0.5 | <.5 | 1.42 | <.5 | <.5 | 0.743 | 0.918 |
| Total Organic Carbon | mg/L | 3 | 6 | 5 | | 7 | 8 | 8 | 10 | 5 | 5 | 8 | 4 | 6 | 4 | 7 | 13 | 4 | 10 | 7.8 | 5 | 5 | 7 | 4 | 5 | 4.4 | 6.6 |
| Total Iron | mg/L | 0.61 | 0.07 | 0.37 | | 0.18 | 0.61 | 0.06 | 0.77 | 0.24 | 0.62 | 0.36 | 0.79 | 1.1 | 0.72 | 0.32 | 1 | 1.9 | 0.9 | 5.4 | 2.1 | 0.27 | 0.07 | 0.21 | 0.18 | 1.3 | 0.43 |
| Total Manganese | mg/L | 0.07 | <0.02 | 0.1 | | 0.11 | 0.44 | 0.67 | 1.1 | 0.24 | 0.85 | 0.26 | 0.94 | 0.04 | 1 | 1.4 | 2.9 | 3.8 | 1.9 | 0.13 | 4.9 | 4.6 | 0.25 | 0.29 | 0.084 | 0.99 | 1.1 |
| Soluble Iron | mg/L | 0.16 | 0.03 | 0.04 | | 0.1 | 0.04 | <0.03 | 0.04 | 0.05 | <0.03 | 0.06 | 0.13 | 0.14 | 0.067 | 0.058 | 0.092 | 0.089 | 0.049 | 0.093 | 0.15 | 0.036 | <0.03 | 0.032 | 0.071 | 0.036 | 0.032 |
| Soluble Mahganese | mg/L | <0.02 | <0.02 | <0.02 | | <0.02 | 0.03 | <0.02 | <0.02 | <0.02 | <0.02 | <.02 | <0.02 | <.02 | <0.02 | <.02 | <.020 | <0.02 | <0.02 | 0.11 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.020 | <0.02 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <.5 | <.5 | <.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | 0.7 | <0.5 | <0.5 | <0.5 | 4 | <0.5 | <1 | <1 | 1 | <1 | <1 | <1 | 2.8 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | 2 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <0.5 | <0.5 | 0.7 | | <0.5 | 2 | <0.5 | 0.7 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachlorpethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |

| Quarter > | | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | |
| Evacuation Date | | 9/20/2007 | 12/27/2007 | 3/3/2008 | 6/24/2008 | 9/25/2008 | 12/29/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | Feet | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 | 733.62 |
| Water Level | Feet | 19.83 | 12.04 | 11.3 | 16.78 | 16.78 | 9.93 | 15.09 | 16.34 | 15.9 |
| Water Elevation (Before Purge) | | 713.79 | 721.58 | 722.32 | 716.84 | 716.84 | 723.69 | 718.53 | 717.28 | 717.72 |
| Well Bottom | Feet | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 |
| Sample Date: | | 9/20/2007 | 12/28/2007 | 3/3/2008 | 6/25/2008 | 9/25/2008 | 12/30/2008 | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Laboratory Sample Number: | | U0709291-007 | U0801010-007 | U0803039-007 | U0806522-007 | U0809489-007 | U0812540-007 | U0903561-007 | U0907008-007 | U0910503-007 |
| | | | | | | | | | | |
| Eh | mV | -74 | -87 | -41 | -38 | -32 | -56 | -48 | 176 | 181 |
| pH | Std. | 8.17 | 8.31 | 7.61 | 7.67 | 7.54 | 7.98 | 8.11 | 7.47 | 7.27 |
| Specific Conductance | umhos/cm | 1703 | 1631 | 496 | 539 | 428 | 1506 | 1794 | 282 | 782 |
| Turbidity | NTU | 14.1 | 7.01 | 21.5 | 20.4 | 78.9 | 4.18 | 20.3 | 5.45 | 23.4 |
| Temperature | ØC | 14.2 | 9.6 | 11.5 | 14.3 | 16.9 | 7.1 | 5.7 | 13 | 12.7 |
| Nitrate | mg/L | 2.01 | 3.46 | 0.944 | 6.67 | 2.29 | 0.499 | 1.55 | 3.46 | 0.26 |
| Alkalinity | mg/L | 360 | 280 | 140 | 3400 | 430 | 190 | 370 | 320 | 360 |
| Chloride | mg/L | 2590 | 1040 | 1960 | 2200 | 1590 | 393 | 678 | 233 | 544 |
| Ammonia | mg/L | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | 9.45 | <0.500 | <0.500 |
| Total Organic Carbon | mg/L | 4.5 | 5 | 3.2 | 7.9 | 6 | 4.5 | 7.5 | 5.4 | 3.2 |
| Total Iron | mg/L | 0.75 | 0.054 | 0.99 | 2.2 | 0.16 | 0.12 | 1.1 | 0.17 | 0.1 |
| Total Manganese | mg/L | 0.76 | <0.02 | 1.3 | 7.5 | 2.3 | <0.020 | 0.78 | 1.4 | 1.1 |
| Soluble Iron | mg/L | 0.046 | <0.03 | 0.037 | <0.030 | <0.030 | <0.030 | 0.05 | <0.030 | <0.030 |
| Soluble Manganese | mg/L | <0.02 | <0.02 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Total Lead | mg/L | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.50 |
| Bromobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | 4.3 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <1 | <1 | <1 | <1 | <1 | 4.2 | 4.2 | <1 | <1 |
| Naphthalene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | |
| sec-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |

| Quarter > | | 1ST/96 | 2ND/96 | 4TH/96 | 1ST/97 | 2ND/97 | 3RD/97 | 4TH/97 | 1ST/98 | 2ND/98 | 3RD/98 | 4TH/98 | 1ST/99 | 2ND/99 | 3RD/99 | 4TH/99 | 1ST/00 | 2ND/00 | 3RD/00 | 4TH 2003 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2005 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/12/96 | 6/11/96 | 12/18/96 | 3/17/97 | 6/12/97 | 9/16/97 | 12/17/97 | 3/18/98 | | | 2/3/99 | | DRY | | | | | | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | 12/29/2008 | DRY | DRY | Insufficient |
| Top of Casing Elevation | Feet | 732.51 | 732.51 | 732.51 | 732.51 | 732.51 | 732.51 | 732.51 | 732.51 | | | 732.51 | | | | | | | 734.02 | | | | | | | | | | | | | | | | | | 732.51 | | | Recharge |
| Water Level | Feet | 47.48 | 47.33 | 47.38 | 46.76 | 47.25 | 47.81 | 47.77 | 47.31 | | | 47.35 | | | | | | | | | | | | | | | | | | | | | | | | | 35.11 | | | No Samples |
| Water Elevation (Before Purge) | | 685.03 | 685.18 | 685.18 | 685.75 | 685.26 | 684.70 | 684.74 | 685.20 | | | 685.16 | | | | | | | | | | | | | | | | | | | | | | | | | 697.4 | | | Taken |
| Well Bottom | Feet | 49.15 | 49.15 | 49.15 | 49.15 | 49.15 | 49.15 | 49.15 | 49.15 | | | 49.15 | | | | | | | | | | | | | | | | | | | | | | | | | 41.18 | | | |
| Sample Date: | | 3/13/96 | 6/12/96 | 12/19/96 | 3/18/97 | 6/12/97 | 9/17/97 | 12/17/97 | 3/19/98 | | | 2/3/99 | | | | | | | | | | | | | | | | | | | | | | | | | 12/30/2008 | | | |
| Laboratory Sample Number: | | AES | AES - 5 | 63LI-5 | 71G4-5 | 721L-5 | 72OM-5 | 73FE-5 | 81DS-6 | | | 03599020 | | | | | | | | | | | | | | | | | | | | | | | | | U0812540-008 | | | |
| pH | Std. | 6.74 | 6.82 | 6.97 | 6.75 | 6.47 | 7.51 | 6.99 | 6.78 | | | 6.8 | | | | | | | | | | | | | | | | | | | | | | | | | 8.27 | | | |
| Temperature | eF | 9.444444 | 12.22222 | 8.888889 | 10 | 12.22222 | 12.22222 | 8.888889 | 8.888889 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | 6.8 | | | |
| Specific Conductance | umhos/cm | 2950 | 3420 | 2450 | 2970 | 3360 | 3870 | 3490 | 2680 | | | 2000 | | | | | | | | | | | | | | | | | | | | | | | | | 832 | | | |
| Turbidity | NTU | | | | | | | | 7.0 | | | 1.89 | | | | | | | | | | | | | | | | | | | | | | | | | 23.7 | | | |
| Alkalinity | mg/L | 930 | 510 | 495 | 280 | 395 | 680 | 620 | 375 | | | 940 | | | | | | | | | | | | | | | | | | | | | | | | | 340 | | | |
| Ammonia | mg/L | 0.45 | 0.28 | 0.18 | <0.50 | <0.05 | 0.89 | 0.61 | <0.4 | | | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | | <0.500 | | | |
| Chloride | mg/L | 280 | 750 D | 300 D | 1250 D | 760 D | 700 D | 590 D | 540 D | | | 530 | | | | | | | | | | | | | | | | | | | | | | | | | 401 | | | |
| Nitrate | mg/L | <0.04 | <0.04 | 1.5 D | 0.09 | 0.8 | <0.04 | <0.04 | <0.04 | | | <.2 | | | | | | | | | | | | | | | | | | | | | | | | | <0.200 | | | |
| Total Organic Carbon | mg/L | 8.7 | 4 | 5.1 | 4.4 | 5.3 | 9.2 | 3.9 | 5.5 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | 4.4 | | | |
| Total Kjeldahl Nitrogen | mg/L | | | | | | | | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total BOD | mg/L | | | | | | | | 6.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Dissolved Solids | mg/L | | | | | | | | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfate | mg/L | | | | | | | | 28 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Recoverable Phenolics | mg/L | | | | | | | | <0.008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bromide | mg/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hardness | mg/L | | | | | | | | 380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apparent Color | color | | | | | | | | <5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Iron | mg/L | 12 | 5.2 | 1.3 | 1.5 | 4.8 | 9.9 | 10.3 | 2.87 | | | 7.5 | | | | | | | | | | | | | | | | | | | | | | | | | 0.68 | | | |
| Total Manganese | mg/L | 0.76 | 0.61 | 0.16 | 0.11 | 0.74 | 0.710 | 0.73 | 0.769 | | | 0.62 | | | | | | | | | | | | | | | | | | | | | | | | | 0.15 | | | |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Iron | mg/L | 12 | 3.7 | 1.1 | 0.74 | 4 | 0.20 | 4.04 | 1.53 | | | 0.05 | | | | | | | | | | | | | | | | | | | | | | | | | <0.030 | | | |
| Soluble Manganese | mg/L | 0.76 | 0.64 | 0.16 | 0.36 | 0.80 ** | 0.656 | 0.671 | 0.812 ** | | | 0.57 | | | | | | | | | | | | | | | | | | | | | | | | | 0.068 | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Aluminum | mg/L | | | | | | | | 0.261 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Antimony | mg/L | | | | | | | | <0.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Arsenic | mg/L | | | | | | | | <0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Barium | mg/L | | | | | | | | 0.121 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Beryllium | mg/L | | | | | | | | <0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Cadmium | mg/L | | | | | | | | <0.016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Calcium | mg/L | | | | | | | | 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Chromium | mg/L | | | | | | | | <0.014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Hexavalent Chromium | mg/L | | | | | | | | <0.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Cobalt | mg/L | | | | | | | | <0.018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Copper | mg/L | | | | | | | | <0.010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Cyanide | mg/L | | | | | | | | <0.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Magnesium | mg/L | | | | | | | | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Mercury | mg/L | | | | | | | | <0.0004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Nickel | mg/L | | | | | | | | <0.050 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Potassium | mg/L | | | | | | | | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Selenium | mg/L | | | | | | | | <0.075 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Silver | mg/L | | | | | | | | <0.010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Sodium | mg/L | | | | | | | | 330 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Thallium | mg/L | | | | | | | | <0.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Vanadium | mg/L | | | | | | | | <0.010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Zinc | mg/L | | | | | | | | <0.016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,1,1-Trichloroethane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,1,2,2-Tetrachloroethane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,1,2-Trichloroethane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,1-Dichloroethane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 0.53 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,1-Dichloroethene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,2,3-Trichloropropane | ug/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,2-Dibromo-3-chloropropane | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,2-Dibromoethane | ug/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,2-Dichlorobenzene | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <2.0 | <2.0 | <1.2 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,2-Dichloroethane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,2-Dichloropropane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <3.0 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,3-Dichlorobenzene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <1.4 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 1,4-Dichlorobenzene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <1.2 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 2-Chloroethyl vinyl ether | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 2-Hexanone | ug/L | | | | | | | | <10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| 4-Methyl-2-pentanone | ug/L | | | | | | | | <10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Acetone | ug/L | | | | | | | | <10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Acrylonitrile | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Benzene | ug/L | 2.6 | 7.1 | <2.0 | <2.0 | <2.0 | 7.4 | <0.60 | <2.0 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | <0.50 | | | |
| Bromochloromethane | ug/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Bromodichloromethane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Bromoform | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Bromomethane | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <0.50 | | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Carbon disulfide | ug/L | | | | | | | | <10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Carbon tetrachloride | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Chlorobenzene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <1.4 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Chlorodibromomethane | ug/L | | | | | | | | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Chloroethane | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <0.80 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Chloroform | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Chloromethane | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <5.0 | | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| cis-1,2-Dichloroethene | ug/L | | | | <2.0 | <2.0 | <2.0 | 0.56 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| cis-1,3-Dichloropropene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.70 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Dibromochloromethane | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Dichlorodifluoromethane | ug/L | | | | <4.0 | <4.0 | <4.0 | <5.0 | | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Ethylbenzene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.70 | 3.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| m/p-Xylene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 2.9 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Methyl bromide | ug/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methyl chloride | ug/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methyl ethyl ketone | ug/L | | | | | | | | <10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methyl iodide | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene bromide | ug/L | | | | | | | | <10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.5 | <2.0 | | | <5.0 | | | | | | | | | | | | | | | | | | | | | | | | | 1.2 | | | |
| o-Xylene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 3.4 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| p-Xylene | ug/L | | | | | | | | 2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Styrene | ug/L | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Tetrachloroethene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Toluene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.90 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| trans-1,2-Dichloroethene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.50 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| trans-1,3-Dichloropropene | ug/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <1.5 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| trans-1,4-Dichloro-2-butene | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Trichloroethene | ug/L | 2.7 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <1.0 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Trichlorofluoromethane | ug/L | | | | <4.0 | <4.0 | <4.0 | <0.60 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Vinyl acetate | ug/L | | | | | | | | <10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |
| Vinyl chloride | ug/L | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <2.0 | | | <1.0 | | | | | | | | | | | | | | | | | | | | | | | | | < 1.0 | | | |

Glynn Geotechnical Engineering
415 S. Transit Street
Lockport, NY 14094
(716) 625 - 6933

| Quarter > | | 1ST 2001 | 2ND 2001 | 3RD 2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2007 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.28.05 | 9/20/2007 | 12.21.05 | 03.07.06 | 06.27.06 | 9.21.06 | 12.20.06 | 3/27/2007 | 6/25/2007 |
| Top of Casing Elevation | Feet | 738.51 | 738.51 | 738.51 | | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 |
| Water Level | Feet | 17.1 | 21.2 | 19.75 | Not | 17.32 | 19.84 | 22.55 | 20.06 | 18.36 | 19.66 | 14.54 | 18.39 | 16.48 | 18.63 | 20.54 | 18.38 | 17.55 | 21.36 | 16.33 | 19.17 | 19.16 | 21.56 | 18.51 | 18.97 | 15.19 | 21.57 |
| Water Elevation (Before Purge) | | 721.41 | 717.31 | 718.76 | Sampled | 721.19 | 718.67 | 715.96 | 718.45 | 720.15 | 718.85 | 723.97 | 720.12 | 722.03 | 719.88 | 717.97 | 720.13 | 720.96 | 717.15 | 722.18 | 719.34 | 719.35 | 716.95 | 720 | 719.54 | 723.32 | 716.94 |
| Well Bottom | Feet | 34.18 | 34.18 | 34.18 | | 34.18 | 34.18 | 34.18 | 27.18 | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 | 35.18 | 34.18 | 32.02 | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | 3.12.03 | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.29.05 | 9/20/2007 | 12.21.05 | 03.07.0.6 | 06.27.06 | 9.21.06 | 12.21.06 | 3/27/2007 | 6/26/2007 |
| Laboratory Sample Number: | | 08201047 | 17701011 | 31101012 | | 9102009 | 17602029 | 26102044 | 33102097 | 7103095 | 17703069 | 26803069 | 34503040 | 9004032 | U0406352-014 | U0410029-08 | 41240313 | 8 | U0506555-012 | U0709291-001 | U0512340-011 | U0603145-008 | U0606481-007 | U0609386-008 | U0612417-008 | U0703462-009 | U0706507-014 |
| Eh | mV | 140 | 50 | - | | -50 | -54 | -39 | -43 | -46 | -57 | -37 | -10 | -40 | -60 | -34 | -40 | -25 | -55 | -39 | -40 | -60 | -60 | -70 | 91 | 141 | -144 |
| pH | Std. | 7.3 | 7.7 | 7.4 | | 7.27 | 7.64 | 6.98 | 7.616 | 7.68 | 7.86 | 7.45 | 7.13 | 7.58 | 7.55 | 7.26 | 7.58 | 7.52 | 7.71 | 7.44 | 7.78 | 7.63 | 7.75 | 8.23 | 7.89 | 7.89 | 7.65 |
| Specific Conductance | umhos/cm | 5400 | 3800 | 5600 | | 3570 | 3860 | 4710 | 1602 | 3920 | 7110 | 4560 | 3540 | 1466 | 5180 | 4710 | 1414 | 3390 | 5170 | 284 | 5580 | 3720 | 4970 | 5120 | 2530 | 3720 | 2078 |
| Turbidity | NTU | 50.8 | 62.1 | 36 | | 6.76 | 6.63 | 10.8 | 17.6 | 15.1 | 4.57 | 3.55 | 6.77 | 4.73 | 5.15 | 42.7 | 4.69 | 16.8 | 29.4 | 4.92 | 14.8 | 24.2 | 3.02 | 1.79 | 5.28 | 61.4 | 5.22 |
| Temperature | ØC | 8 | 12 | 13 | | 13.3 | 13.9 | 13.7 | 8.1 | 7.8 | 17.6 | 13.4 | 11 | 13.4 | 14.6 | 10.4 | 6.6 | 9.1 | 15.8 | 14.2 | 7.2 | 10.4 | 13.8 | 13.5 | 9 | 20.8 | 19.2 |
| Nitrate | mg/L | 0.8 | 0.5 | 0.6 | | 0.6 | 0.3 | <0.2 | <0.2 | 0.4 | <0.2 | <.2 | 0.3 | 0.5 | 0.5 | <.02 | 0.8 | <0.20 | <0.20 | 0.5 | 0.27 | <0.2 | 1.6 | 0.21 | 0.571 | 0.857 | 0.616 |
| Alkalinity | mg/L | 280 | 330 | 340 | | 310 | 380 | 500 | 290 | 240 | 340 | 390 | 400 | 200 | 310 | 160 | 440 | 350 | 280 | 580 | 370 | 330 | 380 | 360 | 340 | 270 | 350 |
| Chloride | mg/L | 1100 | 1700 | 1600 | | 1300 | 1400 | 1900 | 530 | 1200 | 2400 | 1600 | 1600 | 560 | 1600 | 881 | 408 | 1740 | 2990 | 120 | 616 | 1160 | 2090 | 1560 | 805 | 1330 | 1730 |
| Ammonia | mg/L | <0.5 | 4.7 | 0.6 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <.5 | <0.5 | 0.9 | <0.5 | <.5 | <.50 | <0.5 | <0.5 | 4.42 | 1.81 | <0.5 | <0.5 | <0.5 | <0.5 | <0.500 | <0.500 |
| Total Organic Carbon | mg/L | 3 | 5 | 4 | | 3 | 5 | 6 | 11 | 3 | 5 | 7 | 5 | 3 | <3.0 | 6 | 5 | 7 | 8 | 7.8 | 6 | 6 | 7 | 7 | 6 | 4.2 | 12.3 |
| Total Iron | mg/L | 9.5 | 9.9 | 25 | | 1.5 | 1 | 2.3 | 0.45 | 2.5 | 0.73 | 0.28 | 8.7 | 0.39 | 2.7 | 14 | 0.49 | 19 | 4.9 | 5.4 | 14 | 9.5 | 11 | 0.65 | 0.65 | 13 | 0.096 |
| Total Manganese | mg/L | 0.02 | 0.03 | 0.04 | | <0.02 | 0.05 | 0.05 | 0.04 | 0.02 | 0.05 | 0.06 | 0.03 | <.02 | 0.03 | 0.059 | <.020 | 0.053 | 0.073 | 0.13 | 0.098 | 0.076 | 0.1 | 0.055 | 0.046 | 0.026 | <0.02 |
| Soluble Iron | mg/L | 0.06 | 0.14 | 0.06 | | 0.08 | 0.04 | 0.07 | 0.05 | 0.04 | 0.13 | 0.07 | 0.04 | 0.23 | 0.066 | 0.3 | 0.072 | 0.31 | 0.16 | 0.093 | 0.36 | 0.077 | <0.03 | 0.038 | 0.25 | <0.030 | 0.047 |
| Soluble Manganese | mg/L | <0.02 | <0.02 | 0.02 | | <0.02 | 0.04 | 0.05 | <0.02 | <0.02 | 0.07 | 0.05 | 0.03 | 0.03 | 0.037 | 0.058 | 0.023 | 0.062 | 0.065 | 0.11 | 0.078 | 0.063 | 0.039 | 0.049 | <0.020 | <0.020 | 0.036 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <.5 | <0.5 | <.5 | <.5 | <.5 | <.5 | 1.6 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| Bromobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | <1 |
| Chloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.4 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | 0.8 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 |
| Naphthalene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | 4.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |

| Quarter > | | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | |
| Evacuation Date | | 9/20/2007 | 12/27/2007 | 3/3/2008 | 6/24/2008 | 9/25/2008 | Not | 3/30/2009 | Not | 10/22/2009 |
| Top of Casing Elevation | Feet | 738.51 | 738.51 | 738.51 | 738.51 | 738.51 | Sampled | 738.51 | Sampled | 738.51 |
| Water Level | Feet | 22.9 | 17.68 | 14.85 | 20.56 | 21.02 | | 18.64 | | 20.51 |
| Water Elevation (Before Purge) | | 715.61 | 720.83 | 723.66 | 717.95 | 717.49 | | 719.87 | | 718 |
| Well Bottom | Feet | 34.18 | 34.18 | 34.18 | 34.18 | 34.18 | | 34.18 | | 34.18 |
| Sample Date: | | 9/20/2007 | 12/28/2007 | 3/3/2008 | 6/25/2008 | 9/25/2008 | | 3/30/2009 | | 10/22/2009 |
| Laboratory Sample Number: | | U0709291-009 | U0801010-008 | U0803039-008 | U0806522-008 | U0809489-008 | | U0903561-008 | | U0910503-008 |
| | | | | | | | | | | |
| Eh | mV | -63 | -80 | -57 | -37 | -27 | | -45 | | 151 |
| pH | Std. | 7.94 | 8.08 | 7.96 | 7.65 | 7.48 | | 8.21 | | 7.86 |
| Specific Conductance | umhos/cm | 274 | 3130 | 445 | 446 | 463 | | 1293 | | 1320 |
| Turbidity | NTU | 65 | 7.47 | 33.6 | 14.2 | 192 | | 33.7 | | 12.8 |
| Temperature | ØC | 14.9 | 9.9 | 11.2 | 14.1 | 16.1 | | 7.9 | | 12.5 |
| Nitrate | mg/L | 0.227 | 0.59 | 0.65 | 1.54 | 0.266 | | 0.417 | | 0.474 |
| Alkalinity | mg/L | 390 | 260 | 290 | 270 | 380 | | 230 | | 280 |
| Chloride | mg/L | 3120 | 1090 | 1870 | 171 | 1870 | | 528 | | 526 |
| Ammonia | mg/L | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | | <0.500 | | <0.500 |
| Total Organic Carbon | mg/L | 5.7 | 4.2 | 6.4 | 9.5 | 4.3 | | <3.0 | | 5.4 |
| Total Iron | mg/L | 6.2 | 0.12 | 5.8 | 0.15 | 31 | | 0.18 | | 0.12 |
| Total Manganese | mg/L | 0.15 | <0.020 | 0.044 | <0.020 | 0.13 | | <0.020 | | <0.020 |
| Soluble Iron | mg/L | <0.030 | <0.030 | 0.034 | <0.030 | 0.043 | | <0.030 | | <0.030 |
| Soluble Manganese | mg/L | 0.031 | <0.020 | 0.065 | 0.027 | 0.082 | | <0.020 | | <0.020 |
| Total Lead | mg/L | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,1,1-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,1,2-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,1-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,1-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,1-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2,3-Trichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-Dibromoethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,3-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,3-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,4-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 2,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 2-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 4-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 4-Isopropyltoluene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Benzene | ug/L | <.5 | <.5 | <.5 | <.5 | <.5 | | <.5 | | <.5 |
| Bromobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| cis-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| cis-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Dichlorodifluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Hexachlorobutadiene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Isopropylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| m/p-Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Methylene chloride | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Naphthalene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| n-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| n-Propylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| o-Xylene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| p-Xylene | ug/L | | | | | | | | | |
| sec-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| tert-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Tetrachloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| trans-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| trans-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Trichloroethene | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |

| Quarter > | | 1ST 2001 | 2ND 2001 | 3RD 2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2005 | 3rd 2007 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | | 6.25.03 | 9.25.03 | 12.09.03 | 3.29.04 | 6.8.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.28.05 | 9.28.05 | 9/20/2007 | 03.07.06 | 06.27.06 | 9.21.06 | 12/20/2006 | 3/27/2007 | 6/25/2007 | 9/20/2007 |
| Top of Casing Elevation | Feet | 758.34 | 758.34 | 758.34 | | 758.34 | 758.34 | 758.34 | 758.34 | | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 | 758.34 |
| Water Level | Feet | 24.4 | 25.65 | 26.6 | Not | 22.91 | 23.86 | 26.33 | 26.55 | Not | 24.82 | 3.48 | 25.3 | 23.85 | 23.86 | 25.63 | 25.44 | 23.82 | 24.82 | 25.93 | 16.33 | 24.02 | 25.86 | 25.86 | 23.78 | 19.37 | 22.78 | 26.43 |
| Water Elevation (Before Purge) | | 733.94 | 732.69 | 731.74 | Sampled | 735.43 | 734.48 | 732.01 | 731.79 | Sampled | 733.52 | 754.86 | 733.04 | 734.49 | 734.48 | 732.71 | 732.9 | 734.52 | 733.52 | 732.41 | 742.01 | 734.32 | 732.48 | 732.48 | 734.56 | 738.97 | 735.56 | 731.91 |
| Well Bottom | Feet | 30.1 | 30.1 | 30.1 | | 30.1 | 30.1 | 30.1 | 29.97 | | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 31.1 | 30.1 | 30.1 | 32.02 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30 | 30.1 |
| Sample Date: | | 3/21/2001 | 6/25/2001 | 11/6/2001 | | 3/29/2002 | 6/25/2002 | 9/17/2002 | 11/27/2002 | | 6.25.03 | 6.25.03 | 12.09.03 | 3.29.04 | 6.9.04 | 9.29.04 | 12.21.04 | 3.31.05 | 6.29.05 | 9.28.05 | 9/20/2007 | 03.07.06 | 06.27.06 | 9.21.06 | 12/21/2006 | 3/27/2007 | 6/26/2007 | 9/20/2007 |
| Laboratory Sample Number: | | 08201046 | 17701012 | 31101013 | | 9102010 | 17602031 | 26102045 | 33102098 | | 17703070 | 26803070 | 34503041 | 9004033 | U0406352-0008 | U0410029-009 | 4124038 | 9 | U0506555-007 | U0509443-009 | U0709291-001 | U0603145-009 | U0606481-008 | U0609386-009 | U0612417-009 | U0703462-010 | U0706507-008 | U0709291-010 |
| Eh | mV | 110 | 40 | 85 | | -62 | -75 | -71 | -89 | | -87 | -105 | -43 | -65 | -122 | -105 | -63 | -35 | -90 | -80 | -39 | -85 | -80 | -80 | 118 | 128 | -159 | -120 |
| pH | Std. | 7.6 | 7.4 | 7.8 | | 7.52 | 8.02 | 7.56 | 7.62 | | 8.39 | 8.71 | 7.69 | 8.01 | 8.66 | 8.83 | 8.02 | 7.71 | 8.43 | 8.73 | 7.44 | 8.07 | 8.66 | 8.54 | 7.72 | 8.17 | 8.61 | 9.15 |
| Specific Conductance | umhos/cm | 640 | 680 | 800 | | 388 | 362 | 1110 | 680 | | 478 | 709 | 362 | 408 | 521 | 485 | 425 | 350 | 515 | 722 | 284 | 579 | 779 | 480 | 573 | 673 | 383 | 320 |
| Turbidity | NTU | 7.54 | 13.5 | 36.2 | | 3.67 | 7.3 | 8.67 | 17.6 | | 6.59 | 32.5 | 12.2 | 8.63 | 8.48 | 262 | 19.8 | 2.67 | 208 | 218 | 4.92 | 287 | 7.07 | 146 | 8.63 | 98.6 | 45.7 | 88 |
| Temperature | ØC | 9 | 13 | 12 | | 12.1 | 13.2 | 14.7 | 6.4 | | 18.1 | 16.8 | 10 | 14.2 | 12.2 | 9.8 | 6 | 9.5 | 14.4 | 15.5 | 14.2 | 8.3 | 14.5 | 11.5 | 8.7 | 19.8 | 17.1 | 14 |
| Nitrate | mg/L | 0.9 | 0.8 | 0.3 | | 0.4 | 0.3 | <0.02 | 2.6 | | 0.4 | 0.4 | 0.5 | 0.8 | 0.42 | 0.6 | <.2 | <0.2 | 0.44 | 0.34 | 0.6 | 0.32 | 0.33 | 0.33 | 0.332 | 0.232 | 0.41 | 0.587 |
| Alkalinity | mg/L | 270 | 270 | 270 | | 220 | 250 | 240 | 270 | | 210 | 240 | 220 | 210 | 230 | 160 | 330 | 230 | 230 | 230 | 580 | 260 | 290 | 250 | 270 | 220 | 250 | 230 |
| Chloride | mg/L | 19 | 13 | 32 | | 18 | 8 | 30 | 13 | | 18 | 25 | 24 | 26 | 32 | 13.3 | 14 | 18.6 | 112 | 117 | 120 | 149 | 404 | 166 | 169 | 16.4 | 44.4 | 71.4 |
| Ammonia | mg/L | <0.5 | 4.9 | | | 0.6 | <.5 | <0.5 | <0.5 | | <0.5 | <.5 | <0.5 | 1.4 | <0.5 | <.5 | <.50 | 0.823 | <.5 | <.5 | 4.42 | <.50 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | 0.595 |
| Total Organic Carbon | mg/L | 2 | 2 | 3 | | <3 | 9 | <3 | 4 | | <3 | <3 | <3 | <3 | <3.0 | <3 | <3 | <3.0 | <3.0 | <3.0 | 7.8 | <3.0 | <3.0 | <3.0 | 3 | 4.3 | <3.0 | 34.8 |
| Total Iron | mg/L | 0.94 | 0.25 | 9.5 | | 0.19 | 0.33 | 0.89 | 0.37 | | 0.44 | 0.97 | 1.1 | 0.2 | 2.4 | 3.1 | 2.4 | 8.3 | 8.2 | 9.1 | 5.4 | 16 | 0.22 | 0.73 | 0.49 | 10 | 4.3 | 3 |
| Total Manganese | mg/L | 0.03 | <0.02 | 0.28 | | <0.02 | <0.02 | 0.07 | 0.03 | | 0.002 | 0.07 | 0.02 | <.02 | 0.086 | 0.31 | 0.11 | 0.32 | 0.36 | 1.6 | 0.13 | 0.89 | <0.020 | 0.039 | <.020 | 0.35 | 0.16 | 0.15 |
| Soluble Iron | mg/L | 0.04 | 0.04 | 0.04 | | 0.1 | <.03 | 0.06 | 0.05 | | 0.02 | 0.11 | 0.05 | 0.18 | 0.056 | 0.51 | 0.047 | 0.075 | 0.038 | 0.089 | 0.093 | 0.066 | 0.058 | 0.097 | 0.041 | 0.23 | 0.035 | 0.035 |
| Soluble Manganese | mg/L | <0.02 | <0.02 | <0.02 | | <0.02 | <0.02 | <0.02 | <0.02 | | <0.03 | <.02 | <0.02 | <.02 | <0.02 | 0.034 | <.10 | 0.028 | <.02 | <.02 | 0.11 | <.02 | <0.020 | <0.020 | <.020 | <0.020 | <0.020 | <0.020 |
| Total Lead | mg/L | 0.003 | 0.008 | 0.025 | | <.001 | 0.001 | 0.004 | 0.001 | | 0.001 | 0.004 | 0.003 | 0.001 | <0.1 | 0.016 | <.10 | | <.10 | | 0.008 | 0.02 | <0.003 | <0.003 | <.003 | 0.024 | <0.10 | 0.003 |
| Soluble Lead | mg/L | <0.001 | 0.002 | 0.004 | | <.001 | 0.002 | 0.002 | <.001 | | <0.02 | 0.001 | <0.001 | 0.001 | <0.1 | 0.001 | <.10 | | <.10 | <0.001 | <0.001 | <0.001 | <0.003 | <0.003 | <.003 | <0.003 | <0.10 | <0.003 |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Benzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <.5 | <.5 | <.5 | <0.5 | <.5 | <.5 | <.5 | <.5 | <.5 | 1.6 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| Bromobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dibromomethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | 2 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| o-Xylene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Styrene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <0.5 | <0.5 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |

Glynn Geotechnical Engineering
415 S. Transit Street
Lockport, NY 14094
(716) 625 - 6933

| Quarter > | | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | |
| Evacuation Date | | 12/27/2007 | 3/3/2008 | 6/24/2008 | 9/25/2008 | Not | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | Feet | 758.34 | 758.34 | 758.34 | 758.34 | Sampled | 758.34 | 758.34 | 758.34 |
| Water Level | Feet | 25.25 | 23.51 | 24.08 | 25.82 | | 21.95 | 24.17 | 24.22 |
| Water Elevation (Before Purge) | | 733.09 | 734.83 | 734.26 | 732.52 | | 736.39 | 734.17 | 734.12 |
| Well Bottom | Feet | 30.1 | 30.1 | 30.1 | 30.1 | | 30.1 | 30.1 | 30.1 |
| Sample Date: | | 12/28/2007 | 3/3/2008 | 6/25/2008 | 9/25/2008 | | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Laboratory Sample Number: | | U0801010-009 | U0803039-009 | U0806522-009 | U0809489-009 | | U0903561-009 | U0907008-008 | U0910503-009 |
| | | | | | | | | | |
| Eh | mV | -130 | -87 | -96 | -97 | | -84 | 126 | 149 |
| pH | Std. | 8.62 | 8.58 | 8.69 | 8.7 | | 8.74 | 8.36 | 7.84 |
| Specific Conductance | umhos/cm | 423 | 494 | 452 | 486 | | 401 | 277 | 1642 |
| Turbidity | NTU | 20.3 | 121 | 159 | 604 | | 57.1 | 6.99 | 435 |
| Temperature | ØC | 9.3 | 12.5 | 12.5 | 14.6 | | 7.5 | 14.8 | 11.7 |
| Nitrate | mg/L | 0.292 | 0.793 | 0.551 | 0.84 | | 0.229 | 0.257 | 0.241 |
| Alkalinity | mg/L | 240 | 210 | 220 | 200 | | 210 | 210 | 200 |
| Chloride | mg/L | 66.9 | 110 | 201 | 25.2 | | 13 | 13.6 | 10.4 |
| Ammonia | mg/L | <0.500 | <0.500 | 0.649 | <0.500 | | <0.500 | <0.500 | <0.500 |
| Total Organic Carbon | mg/L | 4.2 | <3.0 | 21.2 | <3.0 | | <3.0 | <3.0 | <3.0 |
| Total Iron | mg/L | 0.16 | 10 | 2.2 | 0.39 | | 0.53 | 0.11 | 0.76 |
| Total Manganese | mg/L | <0.020 | 0.34 | 0.093 | 0.064 | | 0.023 | <0.020 | 0.31 |
| Soluble Iron | mg/L | 0.079 | 0.053 | <0.030 | <0.030 | | 0.031 | <0.030 | <0.030 |
| Soluble Manganese | mg/L | <0.020 | <0.020 | <0.020 | <0.020 | | <0.020 | <0.020 | <0.020 |
| Total Lead | mg/L | <0.003 | 0.015 | <0.003 | <0.003 | | <0.003 | <0.10 | <0.003 |
| Soluble Lead | mg/L | <0.003 | <0.003 | <0.003 | 0.015 | | <0.003 | <0.10 | <0.003 |
| 1,1,1,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 2-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 4-Chlorotoluene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Benzene | ug/L | <.5 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 |
| Bromobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Bromochloromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Bromodichloromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Bromoform | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Bromomethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Carbon tetrachloride | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chlorobenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloroethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloroform | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chloromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Dibromochloromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Dibromomethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Hexachlorobutadiene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Isopropylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| m/p-Xylene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methylene chloride | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Naphthalene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| n-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| n-Propylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| o-Xylene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| p-Xylene | ug/L | | | | | | | | |
| sec-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Styrene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| tert-Butylbenzene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Tetrachloroethene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Trichloroethene | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Trichlorofluoromethane | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl chloride | ug/L | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |

| Quarter > | | 1ST 2001 | 2ND 2001 | 3RD 2001 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3RD 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2007 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/21/2001 | N | 11/6/2001 | | 3/29/2002 | D | D | 11/27/2002 | 3.12.03 | D | 9.25.03 | 12.09.03 | 3.29.04 | No | DRY | DRY | 3.31.05 | DRY | 9/20/2007 | 12.19.05 | DRY | 06.27.06 | 9.21.06 | 12.20.06 | 3/27/2007 | Well | Dry | Dry |
| Top of Casing Elevation | Feet | 729.3 | O | 729.3 | | 729.3 | R | R | 729.3 | 729.3 | R | 729.3 | 729.3 | 729.3 | Sample | | | 729.3 | | | 729.3 | | 729.3 | 729.3 | 729.3 | 729.3 | Dry | | |
| Water Level | Feet | 6 | T | 14.7 | Not | 11.99 | Y | Y | 19.82 | 12.32 | Y | 15.5 | 24.79 | 12.07 | | | | 13.31 | | 16.33 | 15.08 | | 10.09 | 19.74 | DRY | 7.63 | | | |
| Water Elevation (Before Purge) | | 723.30 | | 714.6 | Sampled | 717.31 | | | 709.48 | 716.98 | | 713.8 | 704.51 | 717.23 | | | | 715.99 | | | 714.22 | | 719.21 | 709.56 | | 721.67 | | | |
| Well Bottom | Feet | 29.35 | S | 29.35 | | 29.35 | W | W | 28.91 | 29.35 | W | 29.35 | 29.35 | 29.35 | | | | 29.35 | | 32.02 | 29.35 | | 29.35 | 29.35 | 28.95 | 29.35 | | | |
| Sample Date: | | 3/21/2001 | A | 11/6/2001 | | 3/29/2002 | E | E | 11/27/2002 | 3.12.03 | E | 9.25.03 | 12.09.03 | 3.29.04 | | | | 3.31.05 | | 9/20/2007 | 12.20.05 | | 06.27.06 | 9.21.06 | | 3/27/2007 | | | |
| Laboratory Sample Number: | | 08201051 | M | 31101009 | | 91020011 | L | L | 33102093 | 7103091 | L | 26803071 | 34503042 | 9004034 | | | | 10 | | U0709291-001 | U0512340-005 | | U0606481-009 | U0609386-010 | | U0703462-011 | | | |
| | | | P | | | | L | L | | | L | | | | | | | | | | | | | | | | | | |
| Eh | mV | 25 | L | 100 | | -47 | | | -30 | -43 | | -31 | -20 | -50 | | | | -25 | | -39 | -45 | | -70 | -60 | | 74 | | | |
| pH | Std. | 7.4 | E | 7.55 | | 7.23 | | | 7.52 | 7.65 | | 7.37 | 7.28 | 7.71 | | | | 7.28 | | 7.44 | 8.52 | | 7.87 | 8.14 | | 7.92 | | | |
| Specific Conductance | umhos/cm | 1400 | D | 1500 | | 1242 | | | 792 | 1464 | | 662 | 1451 | 1325 | | | | 1406 | | 284 | 2890 | | 507 | 1363 | | 930 | | | |
| Turbidity | NTU | 2230 | | 11.4 | | 4.14 | | | 8.72 | 3.02 | | 3.33 | 28.5 | 10.6 | | | | 17.7 | | 4.92 | 10.9 | | 7.3 | 2.42 | | 19.8 | | | |
| Temperature | Øc | 4 | | 13 | | 9.9 | | | 11.3 | 6.2 | | 15.6 | 10.1 | 9.7 | | | | 9.3 | | 14.2 | 5.3 | | 12.3 | 15.7 | | 16.2 | | | |
| Nitrate | mg/L | 2.5 | | 1.8 | | 3.8 | | | <0.2 | 3.9 | | 0.7 | 1 | 4.2 | | | | 1.2 | | | 1.2 | | 1.4 | 0.47 | | 2.01 | | | |
| Alkalinity | mg/L | 220 | | 300 | | 250 | | | 330 | 220 | | 270 | 370 | 250 | | | | 250 | | 580 | 350 | | 200 | 340 | | 220 | | | |
| Chloride | mg/L | 300 | | 170 | | 390 | | | 140 | 320 | | 85 | 470 | 460 | | | | 893 | | 120 | 601 | | 53.4 | 238 | | 261 | | | |
| Ammonia | mg/L | <0.5 | | <0.5 | | <0.5 | | | 1.9 | 2.2 | | <.5 | <0.5 | 1.6 | | | | <0.5 | | 4.42 | <0.5 | | <0.500 | <0.500 | | <0.500 | | | |
| Total Organic Carbon | mg/L | 4 | | 5 | | 5 | | | 8 | 5 | | 8 | 6 | 5 | | | | 5 | | 7.8 | 8 | | 5 | 6 | | 5.2 | | | |
| Total Iron | mg/L | 13 | | 0.35 | | 0.22 | | | 0.27 | 0.44 | | 0.56 | 2.3 | 0.11 | | | | 1.5 | | 5.4 | 320 | | 0.65 | 0.16 | | 0.78 | | | |
| Total Manganese | mg/L | 0.35 | | 0.03 | | <.02 | | | 0.04 | 0.03 | | 0.03 | 0.12 | <.02 | | | | 0.11 | | 0.13 | 13 | | <0.020 | <0.020 | | <0.020 | | | |
| Soluble Iron | mg/L | 0.2 | | 0.06 | | 0.08 | | | 0.04 | 0.04 | | 0.06 | 0.1 | 0.26 | | | | <0.03 | | 0.093 | 0.092 | | 0.071 | 0.052 | | 0.034 | | | |
| Soluble Manganese | mg/L | <0.02 | | <0.02 | | <0.02 | | | <0.02 | <0.02 | | <.02 | <0.02 | <.02 | | | | <0.02 | | 0.11 | <0.02 | | <0.020 | <0.020 | | <0.020 | | | |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,1,1-Trichloroethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,1,2-Trichloroethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,1-Dichloroethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | 2.8 | <1 | | <1 | <1 | | <1 | | | |
| 1,1-Dichloroethene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,1-Dichloropropene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2,3-Trichloropropane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | 1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2-Dibromoethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2-Dichlorobenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2-Dichloroethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,2-Dichloropropane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | 1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,3-Dichlorobenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,3-Dichloropropane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 1,4-Dichlorobenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 2,2-Dichloropropane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 2-Chlorotoluene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 4-Chlorotoluene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| 4-Isopropyltoluene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Benzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | 5 | <0.5 | <.5 | | | | <.5 | | 1.6 | <.5 | | <.5 | <.5 | | <.5 | | | |
| Bromobenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Bromochloromethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Bromodichloromethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Bromoform | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | 1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Bromomethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Carbon tetrachloride | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Chlorobenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Chloroethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | 4.8 | <1 | | <1 | <1 | | <1 | | | |
| Chloroform | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Chloromethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | 1.4 | | <1 | <1 | | <1 | | | |
| cis-1,2-Dichloroethene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | 2 | <1 | | | | 1.6 | | 2 | <1 | | <1 | <1 | | <1 | | | |
| cis-1,3-Dichloropropene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Dibromochloromethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Dibromomethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Dichlorodifluoromethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Ethylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | 1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Hexachlorobutadiene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Isopropylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| m/p-Xylene | ug/L | <0.5 | | <0.5 | | <1.0 | | | <1.0 | <1.0 | | 11 | <2 | <2 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Methylene chloride | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Naphthalene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| n-Butylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| n-Propylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| o-Xylene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| p-Xylene | ug/L | | | | | | | | | | | <1 | | | | | | | | <1 | <1 | | <1 | <1 | | | | | |
| sec-Butylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Styrene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | 11 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| tert-Butylbenzene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Tetrachloroethene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Toluene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | 12 | <1 | <1 | | | | <1 | | | 1.6 | | <1 | <1 | | <1 | | | |
| trans-1,2-Dichloroethene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| trans-1,3-Dichloropropene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Trichloroethene | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Trichlorofluoromethane | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |
| Vinyl chloride | ug/L | <0.5 | | <0.5 | | <0.5 | | | <0.5 | <0.5 | | <1 | <1 | <1 | | | | <1 | | | <1 | | <1 | <1 | | <1 | | | |

| Quarter > | | 1st 2008 | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | |
| Evacuation Date | | 3/3/2008 | DRY | DRY | 12/29/2008 | DRY | DRY | DRY |
| Top of Casing Elevation | Feet | 729.3 | | | 729.3 | | | |
| Water Level | Feet | 7.63 | | | 7.63 | | | |
| Water Elevation (Before Purge) | | 721.67 | | | 721.67 | | | |
| Well Bottom | Feet | 29.35 | 29.33 | 29.33 | 29.35 | | | |
| Sample Date: | | 3/3/2008 | | | 12/30/2008 | | | |
| Laboratory Sample Number: | | U0803039-010 | | | U0812540-009 | | | |
| | | | | | | | | |
| Eh | mV | -40 | | | -66 | | | |
| pH | Std. | 7.61 | | | 8.19 | | | |
| Specific Conductance | umhos/cm | 310 | | | 236 | | | |
| Turbidity | NTU | 94.3 | | | 95.1 | | | |
| Temperature | Øc | 12.2 | | | 8.4 | | | |
| Nitrate | mg/L | 3.05 | | | 1.03 | | | |
| Alkalinity | mg/L | 230 | | | 180 | | | |
| Chloride | mg/L | 1080 | | | 32.4 | | | |
| Ammonia | mg/L | <0.500 | | | <0.500 | | | |
| Total Organic Carbon | mg/L | 3.7 | | | 4.1 | | | |
| Total Iron | mg/L | 2 | | | 4.5 | | | |
| Total Manganese | mg/L | 0.079 | | | 0.12 | | | |
| Soluble Iron | mg/L | 0.045 | | | 0.096 | | | |
| Soluble Manganese | mg/L | <0.020 | | | <0.020 | | | |
| Total Lead | mg/L | | | | | | | |
| Soluble Lead | mg/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <1 | | | <1.0 | | | |
| 1,1,1-Trichloroethane | ug/L | <1 | | | <1.0 | | | |
| 1,1,2,2-Tetrachloroethane | ug/L | <1 | | | <1.0 | | | |
| 1,1,2-Trichloroethane | ug/L | <1 | | | <1.0 | | | |
| 1,1-Dichloroethane | ug/L | <1 | | | <1.0 | | | |
| 1,1-Dichloroethene | ug/L | <1 | | | <1.0 | | | |
| 1,1-Dichloropropene | ug/L | <1 | | | <1.0 | | | |
| 1,2,3-Trichlorobenzene | ug/L | <1 | | | <1.0 | | | |
| 1,2,3-Trichloropropane | ug/L | <1 | | | <1.0 | | | |
| 1,2,4-Trichlorobenzene | ug/L | <1 | | | <1.0 | | | |
| 1,2,4-Trimethylbenzene | ug/L | <1 | | | <1.0 | | | |
| 1,2-Dibromo-3-chloropropane | ug/L | <1 | | | <1.0 | | | |
| 1,2-Dibromoethane | ug/L | <1 | | | <1.0 | | | |
| 1,2-Dichlorobenzene | ug/L | <1 | | | <1.0 | | | |
| 1,2-Dichloroethane | ug/L | <1 | | | <1.0 | | | |
| 1,2-Dichloropropane | ug/L | <1 | | | <1.0 | | | |
| 1,3,5-Trimethylbenzene | ug/L | <1 | | | <1.0 | | | |
| 1,3-Dichlorobenzene | ug/L | <1 | | | <1.0 | | | |
| 1,3-Dichloropropane | ug/L | <1 | | | <1.0 | | | |
| 1,4-Dichlorobenzene | ug/L | <1 | | | <1.0 | | | |
| 2,2-Dichloropropane | ug/L | <1 | | | <1.0 | | | |
| 2-Chlorotoluene | ug/L | <1 | | | <1.0 | | | |
| 4-Chlorotoluene | ug/L | <1 | | | <1.0 | | | |
| 4-Isopropyltoluene | ug/L | <1 | | | <1.0 | | | |
| Benzene | ug/L | <.5 | | | <0.50 | | | |
| Bromobenzene | ug/L | <1 | | | <1.0 | | | |
| Bromochloromethane | ug/L | <1 | | | <1.0 | | | |
| Bromodichloromethane | ug/L | <1 | | | <1.0 | | | |
| Bromoform | ug/L | <1 | | | <1.0 | | | |
| Bromomethane | ug/L | <1 | | | <1.0 | | | |
| Carbon tetrachloride | ug/L | <1 | | | <1.0 | | | |
| Chlorobenzene | ug/L | <1 | | | <1.0 | | | |
| Chloroethane | ug/L | <1 | | | <1.0 | | | |
| Chloroform | ug/L | <1 | | | <1.0 | | | |
| Chloromethane | ug/L | <1 | | | <1.0 | | | |
| cis-1,2-Dichloroethene | ug/L | <1 | | | <1.0 | | | |
| cis-1,3-Dichloropropene | ug/L | <1 | | | <1.0 | | | |
| Dibromochloromethane | ug/L | <1 | | | <1.0 | | | |
| Dibromomethane | ug/L | <1 | | | <1.0 | | | |
| Dichlorodifluoromethane | ug/L | <1 | | | <1.0 | | | |
| Ethylbenzene | ug/L | <1 | | | <1.0 | | | |
| Hexachlorobutadiene | ug/L | <1 | | | <1.0 | | | |
| Isopropylbenzene | ug/L | <1 | | | <1.0 | | | |
| m/p-Xylene | ug/L | <1 | | | <1.0 | | | |
| Methylene chloride | ug/L | <1 | | | <1.0 | | | |
| Naphthalene | ug/L | <1 | | | <1.0 | | | |
| n-Butylbenzene | ug/L | <1 | | | <1.0 | | | |
| n-Propylbenzene | ug/L | <1 | | | <1.0 | | | |
| o-Xylene | ug/L | <1 | | | <1.0 | | | |
| p-Xylene | ug/L | | | | | | | |
| sec-Butylbenzene | ug/L | <1 | | | <1.0 | | | |
| Styrene | ug/L | <1 | | | <1.0 | | | |
| tert-Butylbenzene | ug/L | <1 | | | <1.0 | | | |
| Tetrachloroethene | ug/L | <1 | | | <1.0 | | | |
| Toluene | ug/L | <1 | | | <1.0 | | | |
| trans-1,2-Dichloroethene | ug/L | <1 | | | <1.0 | | | |
| trans-1,3-Dichloropropene | ug/L | <1 | | | <1.0 | | | |
| Trichloroethene | ug/L | <1 | | | <1.0 | | | |
| Trichlorofluoromethane | ug/L | <1 | | | <1.0 | | | |
| Vinyl chloride | ug/L | <1 | | | <1.0 | | | |

| Quarter > | | 1ST/01 | 2ND 2001 | 3RD/01 | 4TH 2001 | 1ST 2002 | 2ND 2002 | 3RD 2002 | 4TH 2002 | 1ST 2003 | 2ND2003 | 3RD 2003 | 4TH 2003 | 1ST 2004 | 2nd 2004 | 3rd 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2005 | 3rd 2007 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | Not | 6/25/2001 | Not | Not | 3/29/2002 | Not | 9/17/2002 | Not | Not | 6.25.03 | Not | 12.09.03 | Not | 6.8.04 | Not | 12.21.04 | Not | 6.28.05 | Not | 9/20/2007 | 03.07.06 | Not Sampled | 9.21.06 | 12.20.06 | Not sampled | 6/25/2007 | Not | 12/27/2007 |
| Top of Casing Elevation | Feet | Sampled | 765.45 | Sampled | Sampled | 765.45 | Sampled | 765.45 | Sampled | Sampled | 765.45 | Sampled | 765.45 | Sampled | 765.45 | Sampled | 765.45 | Sampled | 765.45 | Sampled | Sampled | 765.45 | | 765.45 | 765.45 | | 765.45 | Sampled | 765.45 |
| Water Level | Feet | | 50.5 | | | 46.9 | | 49.92 | | | 48.78 | | 49.98 | | 47.88 | | 49.96 | | 49.49 | | 16.33 | 48.23 | | 48.23 | 47.03 | | 49.4 | | 48.43 |
| Water Elevation (Before Purge) | | | 714.95 | | | 718.55 | | 715.53 | | | 716.67 | | 715.47 | | 717.57 | | 715.49 | | 715.96 | | | 717.22 | | 717.22 | 718.42 | | 716.05 | | 717.02 |
| Well Bottom | Feet | | 58.8 | | | 58.8 | | 58.8 | | | 58.8 | | 58.8 | | 58.8 | | 58.8 | | 58.8 | | 32.02 | 58.8 | | 58.8 | 58.8 | | 58.8 | | 58.8 |
| Sample Date: | | | 6/25/2001 | | | 3/29.02 | | 9/17/2002 | | | 6.25.03 | | 12.09.03 | | 6.9.04 | | 12.21.04 | | 6.29.05 | | 9/20/2007 | 03.07.06 | | 9.21.06 | 12.21.06 | | 6/26/2007 | | 12/28/2007 |
| Laboratory Sample Number: | | | | | | 9102012 | | 26102046 | | | 17703074 | | 34503046 | | U0406352-010 | | 4124039 | | U0506555-008 | | U0709291-001 | U0603145-010 | | U0609386-011 | U0612417-012 | | U0706507-009 | | U0801010-010 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eh | mV | | <-80 | | | -36 | | -44 | | | -48 | | -45 | | -93 | | -29 | | -60 | | -39 | -40 | | -80 | 10 | | -102 | | -81 |
| pH | Std. | | 7.1 | | | 7.04 | | 7.1 | | | 7.71 | | 7.93 | | 8.15 | | 7.39 | | 7.94 | | 7.44 | 7.21 | | 8.64 | 6.86 | | 7.56 | | 8.22 |
| Specific Conductance | umhos/cm | | 2000 | | | 980 | | 1320 | | | 2060 | | 1253 | | 2080 | | 1534 | | 1798 | | 284 | 1910 | | 2770 | 2530 | | 823 | | 273 |
| Turbidity | NTU | | 23.7 | | | 16.8 | | 11.3 | | | 146 | | 28.2 | | 10.26 | | 38.5 | | 29.3 | | 4.92 | 48.8 | | 24.8 | 52.1 | | 29.7 | | 36.7 |
| Temperature | ØC | | 12 | | | 11.4 | | 13.9 | | | 18.8 | | 9.3 | | 16.1 | | 6.9 | | 17.1 | | 14.2 | 9.7 | | 12.4 | 10.1 | | 16.7 | | 9.5 |
| Nitrate | mg/L | | <.02 | | | <.2 | | <0.2 | | | <0.2 | | <0.2 | | <0.2 | | <.2 | | <.2 | | | <.2 | | <.2 | <.2 | | 0.216 | | <.2 |
| Alkalinity | mg/L | | 500 | | | 460 | | 430 | | | 540 | | 530 | | 550 | | 590 | | 480 | | 580 | 600 | | 880 | 670 | | 440 | | 340 |
| Chloride | mg/L | | 390 | | | 270 | | 360 | | | 810 | | 350 | | 410 | | 449 | | 638 | | 120 | 463 | | 665 | 516 | | 436 | | 91.4 |
| Ammonia | mg/L | | 3 | | | <0.5 | | <0.5 | | | <0.5 | | 1.2 | | <0.5 | | 0.658 | | 1.32 | | 4.42 | <.500 | | 51.2 | 9.18 | | 2.58 | | <0.500 |
| Total Organic Carbon | mg/L | | 5 | | | 4 | | 5 | | | 4 | | 6 | | 4 | | 3 | | 4 | | 7.8 | 4 | | 29 | 11 | | 31.9 | | 4.1 |
| Total Iron | mg/L | | 0.46 | | | 7.9 | | 1.4 | | | 2.2 | | 4.1 | | 4.1 | | 5.7 | | 4 | | 5.4 | 9.3 | | 11 | 26 | | 12 | | 2.6 |
| Total Manganese | mg/L | | 0.03 | | | 0.1 | | 0.06 | | | 0.03 | | 0.04 | | 0.049 | | 0.1 | | 0.051 | | 0.13 | 0.071 | | 0.11 | 0.14 | | 0.10 | | <0.020 |
| Soluble Iron | mg/L | | 0.06 | | | 0.07 | | 0.04 | | | 0.09 | | 0.31 | | 0.075 | | 0.071 | | 0.29 | | 0.093 | 0.19 | | 0.06 | 0.19 | | 0.039 | | <0.030 |
| Soluble Manganese | mg/L | | 0.03 | | | <0.02 | | 0.04 | | | 0.03 | | 0.03 | | 0.029 | | 0.062 | | 0.04 | | 0.11 | 0.039 | | 0.097 | 0.058 | | 0.090 | | <0.020 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | B | | <1 | | <1 |
| 1,1,1-Trichloroethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | A | | <1 | | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | S | | <1 | | <1 |
| 1,1,2-Trichloroethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | E | | <1 | | <1 |
| 1,1-Dichloroethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | 2.8 | 2.6 | | 2.6 | L | | <1 | | <1 |
| 1,1-Dichloroethene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | I | | <1 | | <1 |
| 1,1-Dichloropropane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | N | | <1 | | <1 |
| 1,2,3-Trichlorobenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | E | | <1 | | <1 |
| 1,2,3-Trichloropropane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,2,4-Trichlorobenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,2,4-Trimethylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | S | | <1 | | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | E | | <1 | | <1 |
| 1,2-Dibromoethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | T | | <1 | | <1 |
| 1,2-Dichlorobenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,2-Dichloroethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,2-Dichloropropane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,3,5-Trimethylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,3-Dichlorobenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,3-Dichloropropane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 1,4-Dichlorobenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 2,2-Dichloropropane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 2-Chlorotoluene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 4-Chlorotoluene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| 4-Isopropyltoluene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Benzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <0.5 | | <0.5 | | <0.5 | | <0.5 | | 1.6 | <0.5 | | 2.2 | | | 0.75 | | <0.50 |
| Bromobenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Bromochloromethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Bromodichloromethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Bromoform | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Bromomethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Carbon tetrachloride | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Chlorobenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Chloroethane | ug/L | | <5 | | | <5 | | 1 | | | <5 | | 1 | | 3.7 | | <1 | | <1 | | 4.8 | <1 | | 1.4 | | | <1 | | <1 |
| Chloroform | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Chloromethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | 1 | | 1.7 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| cis-1,2-Dichlrorethene | ug/L | | 7 | | | <5 | | 0.8 | | | <5 | | <1 | | <1 | | <1 | | <1 | | 2 | <1 | | <1 | | | <1 | | <1 |
| cis-1,3-Dichloropropene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Dibromochloromethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Dibromomethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Dichlorodifluoromethane | ug/L | | <5 | | | <5 | | 2 | | | <5 | | <1 | | 5.1 | | <1 | | <1 | | | 3.6 | | <1 | | | <1 | | <1 |
| Ethylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Hexachlorobutadiene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Isopropylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| m/p-Xylene | ug/L | | <5 | | | <10 | | <1 | | | <10 | | <2 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Methylene chloride | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | 1 | | <1 | | | <1 | | <1 |
| Naphthalene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| n-Butylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | 1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| n-Propylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | 2 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| o-Xylene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| p-Xylene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Styrene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| tert-Butylbenzene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Tetrachloroethene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Toluene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| trans-1,2-Dichloroethene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| trans-1,3-Dichloropropene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Trichloroethene | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Trichlorofluoromethane | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | <1 | | <1 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |
| Vinyl chloride | ug/L | | <5 | | | <5 | | <0.5 | | | <5 | | 1 | | 3.4 | | <1 | | <1 | | | <1 | | <1 | | | <1 | | <1 |

Glynn Geotechnical Engineering
415 S. Transit Street
Lockport, NY 14094
(716) 625 - 6933

| Quarter > | 2nd 2008 | 3rd 2008 | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|---|---|
| | | | | | | |
| Evacuation Date | 6/24/2008 | | | 3/30/2009 | 6/29/2009 | Not |
| Top of Casing Elevation | 765.45 | Sampled | Sampled | 765.45 | 765.45 | Sampled |
| Water Level | 49.57 | | | 45.86 | 49 | |
| Water Elevation (Before Purge) | 715.88 | | | 719.59 | 716.45 | |
| Well Bottom | 58.8 | | | 58.8 | 58.8 | |
| Sample Date: | 6/25/2008 | | | 3/30/2009 | 6/29/2009 | |
| Laboratory Sample Number: | U0806522-010 | | | U0903561-010 | U0907008-009 | |
| | | | | | | |
| Eh | -43 | | | -26 | 156 | |
| pH | 7.76 | | | 7.74 | 7.79 | |
| Specific Conductance | 296 | | | 296 | 1176 | |
| Turbidity | 107 | | | 70.5 | 9.93 | |
| Temperature | 14.9 | | | 8.7 | 12.6 | |
| Nitrate | <0.200 | | | 0.223 | <0.200 | |
| Alkalinity | 650 | | | 220 | 420 | |
| Chloride | 725 | | | 932 | 864 | |
| Ammonia | 19.6 | | | 46.7 | 15 | |
| Total Organic Carbon | 17.4 | | | 19.2 | 25 | |
| Total Iron | 7 | | | 40 | 35 | |
| Total Manganese | 0.11 | | | 0.15 | 0.2 | |
| Soluble Iron | 0.32 | | | 0.036 | <0.030 | |
| Soluble Manganese | 0.24 | | | <0.020 | <0.020 | |
| Total Lead | | | | | | |
| Soluble Lead | | | | | | |
| 1,1,1,2-Tetrachloroethane | <1 | | | <1 | <1 | |
| 1,1,1-Trichloroethane | <1 | | | <1 | <1 | |
| 1,1,2,2-Tetrachloroethane | <1 | | | <1 | <1 | |
| 1,1,2-Trichloroethane | <1 | | | <1 | <1 | |
| 1,1-Dichloroethane | 1.2 | | | 1.8 | <1 | |
| 1,1-Dichloroethene | <1 | | | <1 | <1 | |
| 1,1-Dichloropropane | <1 | | | <1 | <1 | |
| 1,2,3-Trichlorobenzene | <1 | | | <1 | <1 | |
| 1,2,3-Trichloropropane | <1 | | | <1 | <1 | |
| 1,2,4-Trichlorobenzene | <1 | | | <1 | <1 | |
| 1,2,4-Trimethylbenzene | <1 | | | <1 | <1 | |
| 1,2-Dibromo-3-chloropropane | <1 | | | <1 | <1 | |
| 1,2-Dibromoethane | <1 | | | <1 | <1 | |
| 1,2-Dichlorobenzene | <1 | | | <1 | <1 | |
| 1,2-Dichloroethane | <1 | | | <1 | <1 | |
| 1,2-Dichloropropane | <1 | | | <1 | <1 | |
| 1,3,5-Trimethylbenzene | <1 | | | <1 | <1 | |
| 1,3-Dichlorobenzene | <1 | | | <1 | <1 | |
| 1,3-Dichloropropane | <1 | | | <1 | <1 | |
| 1,4-Dichlorobenzene | <1 | | | <1 | <1 | |
| 2,2-Dichloropropane | <1 | | | <1 | <1 | |
| 2-Chlorotoluene | <1 | | | <1 | <1 | |
| 4-Chlorotoluene | <1 | | | <1 | <1 | |
| 4-Isopropyltoluene | <1 | | | <1 | <1 | |
| Benzene | 3.4 | | | 4.1 | 3.6 | |
| Bromobenzene | <1 | | | <1 | <1 | |
| Bromochloromethane | <1 | | | <1 | <1 | |
| Bromodichloromethane | <1 | | | <1 | <1 | |
| Bromoform | <1 | | | <1 | <1 | |
| Bromomethane | <1 | | | <1 | <1 | |
| Carbon tetrachloride | <1 | | | <1 | <1 | |
| Chlorobenzene | <1 | | | 1.8 | <1 | |
| Chloroethane | <1 | | | 1.7 | <1 | |
| Chloroform | <1 | | | <1 | <1 | |
| Chloromethane | <1 | | | <1 | <1 | |
| cis-1,2-Dichlrorethene | <1 | | | <1 | <1 | |
| cis-1,3-Dichloropropene | <1 | | | <1 | <1 | |
| Dibromochloromethane | <1 | | | <1 | <1 | |
| Dibromomethane | <1 | | | <1 | <1 | |
| Dichlorodifluoromethane | <1 | | | <1 | <1 | |
| Ethylbenzene | 1.2 | | | 2.1 | <1 | |
| Hexachlorobutadiene | <1 | | | <1 | <1 | |
| Isopropylbenzene | <1 | | | <1 | <1 | |
| m/p-Xylene | <1 | | | <1 | <1 | |
| Methylene chloride | <1 | | | <1 | <1 | |
| Naphthalene | <1 | | | <1 | <1 | |
| n-Butylbenzene | <1 | | | <1 | <1 | |
| n-Propylbenzene | <1 | | | <1 | <1 | |
| o-Xylene | <1 | | | <1 | <1 | |
| p-Xylene | | | | | | |
| sec-Butylbenzene | <1 | | | <1 | <1 | |
| Styrene | <1 | | | <1 | <1 | |
| tert-Butylbenzene | <1 | | | <1 | <1 | |
| Tetrachloroethene | <1 | | | <1 | <1 | |
| Toluene | 5.4 | | | <1 | 72 | |
| trans-1,2-Dichloroethene | <1 | | | <1 | <1 | |
| trans-1,3-Dichloropropene | <1 | | | <1 | <1 | |
| Trichloroethene | <1 | | | <1 | <1 | |
| Trichlorofluoromethane | <1 | | | <1 | <1 | |
| Vinyl chloride | <1 | | | <1 | <1 | |

| Quarter > | | 1ST/02 | 2ND/02 | 3RD/02 | 4TH/02 | 1ST/03 | 2ND2003 | 3RD 2003 | 4TH 2003 | 1ST 2004 | 2ND 2004 | 3rd 2004 | 4th 2004 | 1st 2005 | 2nd 2005 | 3rd 2007 | 4th 2005 | 1st 2006 | 2nd 2006 | 3rd 2006 | 4th 2006 | 1st 2007 | 2nd 2007 | 3rd 2007 | 4th 2007 | 1st 2008 | 2nd 2008 | 3rd 2008 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Units | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evacuation Date | | 3/29/2002 | Not | 9/17/2002 | Not | Not | 6.25.03 | Not | 12.09.03 | Not | 6.8.04 | Not | 12.21.04 | Not | 6.28.05 | 9/20/2007 | 12.21.05 | 03.07.06 | Not Sampled | 9.21.06 | Not Sampled | Not Sampled | 6/25/2007 | Not | 12/27/2007 | Not | 6/24/2008 | 9/25/2008 |
| Top of Casing Elevation | Feet | 789.00 | Sampled | 789.00 | Sampled | Sampled | 789 | Sampled | 789 | Sampled | 789 | Sampled | 789 | Sampled | 789 | 789 | 789 | 789 | | 789 | | | 789 | Sampled | 789 | Sampled | 789 | 789 |
| Water Level | Feet | 48.76 | | 53.12 | | | 54.96 | | 54.96 | | 49.97 | | 50.73 | | 51.97 | 16.33 | 51.76 | 51.76 | | 52.69 | | | 52.32 | | 50.81 | | 53.17 | 53.17 |
| Water Elevation (Before Purge) | | 740.24 | | 735.88 | | | 734.04 | | 734.04 | | 739.03 | | 738.27 | | 737.03 | 772.67 | 737.24 | 737.24 | | 736.31 | | | 736.68 | | 738.19 | | 735.83 | 735.83 |
| Well Bottom | Feet | 78.62 | | 78.62 | | | 78.62 | | 78.62 | | 78.62 | | 78.62 | | 78.62 | 32.02 | 78.62 | 78.62 | | 78.62 | | | 78.62 | | 78.62 | | 78.62 | 78.62 |
| Sample Date: | | 3/29/2002 | | 9/17/2002 | | | 6.25.03 | | 12.09.03 | | 6.9.04 | | 12.21.04 | | 6.29.05 | 9/20/2007 | 12.21.05 | 03.07.06 | | 9.21.06 | | | 6/26/2007 | | 12/28/2007 | | 6/25/2008 | 9/25/2008 |
| Laboratory Sample Number: | | 9102013 | | 26102047 | | | 17703075 | | 34503047 | | U0406352-011 | | 41240310 | | U0506555-009 | U0709291-0( | U0512340-014 | U0603145-011 | | U0609386-012 | | | U0706507-010 | | U0801010-011 | | U0806522-011 | U0809489-010 |
| Eh | mV | -97 | | -296 | | | -289 | | -175 | | -120 | | -115 | | -100 | -39 | -80 | -100 | | -80 | | | -178 | | -112 | | -91 | -109 |
| pH | Std. | 8.87 | | 11.5 | | | 11.92 | | 9.96 | | 8.61 | | 8.93 | | 10.37 | 7.44 | 9.13 | 9.54 | | 9.71 | | | 8.91 | | 8.32 | | 8.63 | 8.91 |
| Specific Conductance | umhos/cm | 287 | | 586 | | | 713 | | 226 | | 314 | | 302 | | 229 | 284 | 542 | 274 | | 279 | | | 256 | | 1912 | | 298 | 219 |
| Turbidity | NTU | 6.31 | | 17.3 | | | 16.7 | | 25.6 | | 16.6 | | 22.8 | | 61.1 | 4.92 | 4.22 | 27.2 | | 71.8 | | | 34.2 | | 17.1 | | 41.3 | 122 |
| Temperature | ØC | 12.3 | | 14.3 | | | 15.8 | | 8.2 | | 15.3 | | 4.2 | | 13.4 | 14.2 | 4.5 | 8.7 | | 11.3 | | | 17.5 | | 9.7 | | 13.9 | 15.7 |
| Nitrate | mg/L | <0.2 | | <0..2 | | | 0.4 | | <0.02 | | 0.5 | | 0.3 | | 0.47 | 0.5 | 0.34 | 0.37 | | 0.49 | | | 0.465 | | <0.200 | | 0.294 | 0.427 |
| Alkalinity | mg/L | 34 | | <10 | | | 91 | | 80 | | 63 | | 340 | | 28 | 580 | 180 | 170 | | 270 | | | 44 | | 780 | | 100 | 14 |
| Chloride | mg/L | 25 | | 19 | | | 20 | | 19 | | 15 | | 19.1 | | 22.2 | 120 | 19.7 | 20.6 | | 70.4 | | | 32.1 | | 123 | | 99.5 | 20 |
| Ammonia | mg/L | < 5 | | <0.5 | | | <0.5 | | 1.1 | | <0.5 | | <.5 | | 0.823 | 4.42 | <0.5 | <.500 | | <.500 | | | <.500 | | 17.3 | | <0.500 | <0.500 |
| Total Organic Carbon | mg/L | <3.0 | | 4 | | | 4 | | 4 | | 5 | | <3.0 | | 6 | 7.8 | <3.0 | 3 | | <3.0 | | | <3.0 | | 18.7 | | <3.0 | <3.0 |
| Total Iron | mg/L | 0.3 | | 0.04 | | | 0.9 | | 1.6 | | 0.18 | | 0.28 | | 0.46 | 5.4 | 0.24 | 0.25 | | 0.62 | | | 0.14 | | 3.9 | | 0.27 | 0.44 |
| Total Manganese | mg/L | <0.02 | | <0.02 | | | <0.02 | | 0.03 | | <0.02 | | <.020 | | <.020 | 0.13 | <0.02 | <.020 | | <.020 | | | <0.020 | | 0.15 | | <0.020 | <0.020 |
| Soluble Iron | mg/L | 0.07 | | <0.03 | | | 0.04 | | 0.03 | | 0.056 | | 0.067 | | 0.047 | 0.093 | 0.12 | 0.12 | | <0.030 | | | <0.030 | | <0.030 | | <0.030 | <0.030 |
| Soluble Manganese | mg/L | <0.02 | | <0.02 | | | <0.02 | | <0.02 | | <0.02 | | <.020 | | <.020 | 0.11 | 0.02 | <.02 | | <0.020 | | | <0.020 | | 0.027 | | <0.020 | <0.020 |
| Total Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soluble Lead | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,1,1-Trichloroethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,1,2-Trichloroethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,1-Dichloroethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | 2.8 | <1 | <1 | | <1 | | | <1 | | 6.7 | | <1 | <1 |
| 1,1-Dichloroethene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,1-Dichloropropene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2,3-Trichlorobenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2,3-Trichloropropane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2,4-Trichlorobenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2,4-Trimethylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2-Dibromoethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2-Dichlorobenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2-Dichloroethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,2-Dichloropropane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,3-Dichlorobenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,3-Dichloropropane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 1,4-Dichlorobenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 2,2-Dichloropropane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 2-Chlorotoluene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 4-Chlorotoluene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| 4-Isopropyltoluene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Benzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <0.5 | | <0.5 | | <0.5 | | <0.5 | 1.6 | <0.5 | <0.5 | | <0.5 | | | <0.5 | | 8.4 | | <0.5 | <0.5 |
| Bromobenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Bromochloromethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Bromodichloromethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Bromoform | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Bromomethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Carbon tetrachloride | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Chlorobenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | 3 | | <1 | <1 |
| Chloroethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | 4.8 | <1 | <1 | | <1 | | | <1 | | 6.3 | | <1 | <1 |
| Chloroform | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Chloromethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| cis-1,2-Dichloroethene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | 2 | <1 | <1 | | <1 | | | <1 | | 2.9 | | <1 | <1 |
| cis-1,3-Dichloropropene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Dibromochloromethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Dibromomethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Dichlorodifluoromethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Ethylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Hexachlorobutadiene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Isopropylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| m/p-Xylene | ug/L | <1.0 | | <1.0 | | | <1.0 | | <2 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Methylene chloride | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Naphthalene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| n-Butylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| n-Propylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| o-Xylene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| p-Xylene | ug/L | <0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Styrene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| tert-Butylbenzene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Tetrachloroethene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Toluene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| trans-1,2-Dichloroethene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| trans-1,3-Dichloropropene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Trichloroethene | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Trichlorofluoromethane | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |
| Vinyl chloride | ug/L | <0.5 | | <0.5 | | | <0.5 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 | | <1 | | | <1 | | <1 | | <1 | <1 |

| Quarter > | 4th 2008 | 1st 2009 | 2nd 2009 | 3rd 2009 |
|---|---|---|---|---|
| Evacuation Date | Not | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Top of Casing Elevation | Sampled | 789 | 789 | 789 |
| Water Level | | 48.61 | 50.99 | 50.78 |
| Water Elevation (Before Purge) | | 740.39 | 738.01 | 738.22 |
| Well Bottom | | 78.62 | 78.62 | 78.62 |
| Sample Date: | | 3/30/2009 | 6/29/2009 | 10/22/2009 |
| Laboratory Sample Number: | | U0903561-011 | U0907008-010 | U0910503-010 |
| | | | | |
| Eh | | -102 | -124 | 114 |
| pH | | 9.06 | 10.8 | 8.61 |
| Specific Conductance | | 289 | 1864 | 1432 |
| Turbidity | | 15.7 | 5.58 | 6.02 |
| Temperature | | 9 | 13.8 | 11.3 |
| Nitrate | | 0.348 | 0.328 | 0.477 |
| Alkalinity | | 34 | 29 | 24 |
| Chloride | | 19.6 | 19.6 | 18.9 |
| Ammonia | | <.500 | <0.500 | <0.500 |
| Total Organic Carbon | | <3.0 | <3.0 | <3.0 |
| Total Iron | | 0.28 | 0.031 | 0.12 |
| Total Manganese | | <0.020 | <0.020 | <0.020 |
| Soluble Iron | | 0.066 | <0.030 | <0.030 |
| Soluble Manganese | | <0.020 | <0.020 | <0.020 |
| Total Lead | | | | |
| Soluble Lead | | | | |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | | <1 | <1 | <1 |
| 1,1-Dichloroethane | | <1 | <1 | <1 |
| 1,1-Dichloroethene | | <1 | <1 | <1 |
| 1,1-Dichloropropene | | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | | <1 | <1 | <1 |
| 1,2,3-Trichloropropane | | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 |
| 1,2-Dibromo-3-chloropropane | | <1 | <1 | <1 |
| 1,2-Dibromoethane | | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | | <1 | <1 | <1 |
| 1,2-Dichloroethane | | <1 | <1 | <1 |
| 1,2-Dichloropropane | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | | <1 | <1 | <1 |
| 1,3-Dichloropropane | | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | | <1 | <1 | <1 |
| 2,2-Dichloropropane | | <1 | <1 | <1 |
| 2-Chlorotoluene | | <1 | <1 | <1 |
| 4-Chlorotoluene | | <1 | <1 | <1 |
| 4-Isopropyltoluene | | <1 | <1 | <1 |
| Benzene | | <0.5 | <0.5 | <0.5 |
| Bromobenzene | | <1 | <1 | <1 |
| Bromochloromethane | | <1 | <1 | <1 |
| Bromodichloromethane | | <1 | <1 | <1 |
| Bromoform | | <1 | <1 | <1 |
| Bromomethane | | <1 | <1 | <1 |
| Carbon tetrachloride | | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 |
| Chloroethane | | <1 | <1 | <1 |
| Chloroform | | <1 | <1 | <1 |
| Chloromethane | | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | | <1 | <1 | <1 |
| cis-1,3-Dichloropropene | | <1 | <1 | <1 |
| Dibromochloromethane | | <1 | <1 | <1 |
| Dibromomethane | | <1 | <1 | <1 |
| Dichlorodifluoromethane | | <1 | <1 | <1 |
| Ethylbenzene | | <1 | <1 | <1 |
| Hexachlorobutadiene | | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 |
| m/p-Xylene | | <1 | <1 | <1 |
| Methylene chloride | | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 |
| o-Xylene | | <1 | <1 | <1 |
| p-Xylene | | | | |
| sec-Butylbenzene | | <1 | <1 | <1 |
| Styrene | | <1 | <1 | <1 |
| tert-Butylbenzene | | <1 | <1 | <1 |
| Tetrachloroethene | | <1 | <1 | <1 |
| Toluene | | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | | <1 | <1 | <1 |
| trans-1,3-Dichloropropene | | <1 | <1 | <1 |
| Trichloroethene | | <1 | <1 | <1 |
| Trichlorofluoromethane | | <1 | <1 | <1 |
| Vinyl chloride | | <1 | <1 | <1 |

**Upstate Laboratories, Inc.**
**Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209**
**Mailing: Box 169 * Syracuse, NY 13206**
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 581-4285

15521. GW107

RECEIVED
DEC 0 3 2009
NYSDEC REG 9
FOIL
X REL ___ UNREL

15521

G. Edward Lover, Sr. Geologist
Glynn Geotechnical Engineering
415 S. Transit St.
Lockport, NY 14094

Wednesday, November 18, 2009

RE: Analytical Report:
Lancaster LF Quarterly

Order No.: U0910503

Dear G. Edward Lover, Sr. Geologist:

Upstate Laboratories, Inc. received 12 sample(s) on 10/23/2009 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.
Anthony J. Scala
Anthony J. Scala
President/CEO

CC:
M. McIntosh, NYSDEC-Region 9: copy report

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-2
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 2:39:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-001
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 248 | 1.0 | | umhos/cm | | 10/22/2009 2:39:00 PM |
| Eh | 200 | -300 | | mV | | 10/22/2009 2:39:00 PM |
| pH | 6.98 | 6.5-8.5 | | SU | | 10/22/2009 2:39:00 PM |
| SWL | 13.53 | | | ft | | 10/22/2009 2:39:00 PM |
| Temperature | 14.0 | | | degC | | 10/22/2009 2:39:00 PM |
| Turbidity | 18.1 | 5.0 | | NTU | | 10/22/2009 2:39:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,1-Dichloroethane | 3.6 | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Benzene | 6.1 | 0.50 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-2 |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 2:39:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-001 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| Chlorobenzene | 2.9 | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Chloroethane | 13 | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| cis-1,2-Dichloroethene | 2.3 | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| Vinyl chloride | 1.6 | 1.0 | | µg/L | 1 | 11/3/2009 2:27:00 PM |
| **ICP METALS, TOTALS** | | | **200.7WT** | | **(E200.7)** | Analyst: **ALW** |
| Iron | 7.5 | 0.030 | | mg/L | 1 | 11/4/2009 11:53:05 AM |
| Manganese | 0.21 | 0.020 | | mg/L | 1 | 11/4/2009 11:53:05 AM |
| **ICP METALS, DISSOLVED** | | | **200.7WD** | | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 3:14:16 PM |
| Manganese | 0.22 | 0.020 | | mg/L | 1 | 11/5/2009 3:14:16 PM |

**NOTES:**
Dissolved value may be higher than total, however, the values are within experimental error.

| | | | |
|---|---|---|---|
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | **310.2W** | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-2 |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 2:39:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-001 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 840 | 100 | | mg/LCaCO3 | 10 | 10/24/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |
| Chloride | 69.5 | 1.00 | | mg/L | 1 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | **350.1_W** | | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | 9.10 | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | **353.2_WNO3** | | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | ND | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | **415.1** | | | Analyst: **VAW** |
| Organic Carbon, Total | 8.2 | 3.0 | | mg/L | 1 | 10/27/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-3
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 3:30:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-002
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 1192 | 1.0 | | umhos/cm | | 10/22/2009 3:30:00 PM |
| Eh | 216 | -300 | | mV | | 10/22/2009 3:30:00 PM |
| pH | 6.70 | 6.5-8.5 | | SU | | 10/22/2009 3:30:00 PM |
| SWL | 22.30 | | | ft | | 10/22/2009 3:30:00 PM |
| Temperature | 13.4 | | | degC | | 10/22/2009 3:30:00 PM |
| Turbidity | 27.5 | 5.0 | | NTU | | 10/22/2009 3:30:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,1,1-Trichloroethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,1,2-Trichloroethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,1-Dichloroethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,1-Dichloroethene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,1-Dichloropropene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2,3-Trichloropropane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2-Dibromoethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2-Dichlorobenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2-Dichloroethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,2-Dichloropropane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,3-Dichlorobenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,3-Dichloropropane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 1,4-Dichlorobenzene | 5.8 | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 2,2-Dichloropropane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 2-Chlorotoluene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 4-Chlorotoluene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| 4-Isopropyltoluene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Benzene | 4.1 | 2.5 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Bromobenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Bromochloromethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Bromodichloromethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Bromoform | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Bromomethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Carbon tetrachloride | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Lab Order:** U0910503
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-002

**Client Sample ID:** W-3
**Collection Date:** 10/22/2009 3:30:00 PM
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| Chlorobenzene | 8.8 | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Chloroethane | 25 | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Chloroform | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Chloromethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| cis-1,2-Dichloroethene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| cis-1,3-Dichloropropene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Dibromochloromethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Dibromomethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Dichlorodifluoromethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Ethylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Hexachlorobutadiene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Isopropylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| m,p-Xylene | 5.2 | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Methylene chloride | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| n-Butylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| n-Propylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Naphthalene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| o-Xylene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| sec-Butylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Styrene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| tert-Butylbenzene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Tetrachloroethene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Toluene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| trans-1,2-Dichloroethene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| trans-1,3-Dichloropropene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Trichloroethene | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Trichlorofluoromethane | ND | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |
| Vinyl chloride | 10 | 5.0 | | µg/L | 5 | 11/5/2009 2:54:00 PM |

**NOTES:**
The reporting limits were raised due to matrix interference.
Sample foamed during purging procedure.

| | | | | | | |
|---|---|---|---|---|---|---|
| **ICP METALS, TOTALS** | | | | **200.7WT** | **(E200.7)** | Analyst: **ALW** |
| Iron | 31 | 0.030 | | mg/L | 1 | 11/4/2009 12:41:43 PM |
| Manganese | 0.90 | 0.020 | | mg/L | 1 | 11/4/2009 12:41:43 PM |
| **ICP METALS, DISSOLVED** | | | | **200.7WD** | **(E200.7)** | Analyst: **ALW** |
| Iron | 0.14 | 0.030 | | mg/L | 1 | 11/5/2009 3:40:37 PM |
| Manganese | 0.85 | 0.020 | | mg/L | 1 | 11/5/2009 3:40:37 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-3 |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 3:30:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-002 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 1200 | 100 | | mg/LCaCO3 | 10 | 10/24/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |
| Chloride | 265 | 1.00 | | mg/L | 1 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | **350.1_W** | | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | 159 | 5.00 | | mg/L | 10 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | **353.2_WNO3** | | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | ND | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | **415.1** | | | Analyst: **VAW** |
| Organic Carbon, Total | 44.0 | 3.0 | | mg/L | 1 | 10/27/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-5A |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 2:52:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-003 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 1140 | 1.0 | | umhos/cm | | 10/22/2009 2:52:00 PM |
| Eh | 175 | -300 | | mV | | 10/22/2009 2:52:00 PM |
| pH | 7.39 | 6.5-8.5 | | SU | | 10/22/2009 2:52:00 PM |
| SWL | 20.11 | | | ft | | 10/22/2009 2:52:00 PM |
| Temperature | 12.6 | | | degC | | 10/22/2009 2:52:00 PM |
| Turbidity | 148.0 | 5.0 | | NTU | | 10/22/2009 2:52:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-5A |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 2:52:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-003 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Methylene chloride | 13 | 1.0 | B | µg/L | 1 | 11/3/2009 4:36:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 4:36:00 PM |

**NOTES:**
B- Methylene chloride present in the method blank. Recovery assumed to be contamination.

| | | | | | | |
|---|---|---|---|---|---|---|
| **ICP METALS, TOTALS** | | | **200.7WT** | **(E200.7)** | | Analyst: **ALW** |
| Iron | 0.88 | 0.030 | | mg/L | 1 | 11/4/2009 12:50:19 PM |
| Manganese | 0.14 | 0.020 | | mg/L | 1 | 11/4/2009 12:50:19 PM |
| **ICP METALS, DISSOLVED** | | | **200.7WD** | **(E200.7)** | | Analyst: **ALW** |
| Iron | 0.065 | 0.030 | | mg/L | 1 | 11/5/2009 3:45:30 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/5/2009 3:45:30 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-5A |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 2:52:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-003 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 370 | 10 | | mg/LCaCO3 | 1 | 10/24/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |
| Chloride | 3.55 | 1.00 | | mg/L | 1 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | **350.1_W** | | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | **353.2_WNO3** | | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | ND | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | **415.1** | | | Analyst: **VAW** |
| Organic Carbon, Total | ND | 3.0 | | mg/L | 1 | 10/27/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-6 |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 3:08:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-004 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 363 | 1.0 | | umhos/cm | | 10/22/2009 3:08:00 PM |
| Eh | 208 | -300 | | mV | | 10/22/2009 3:08:00 PM |
| pH | 6.80 | 6.5-8.5 | | SU | | 10/22/2009 3:08:00 PM |
| SWL | 32.93 | | | ft | | 10/22/2009 3:08:00 PM |
| Temperature | 10.7 | | | degC | | 10/22/2009 3:08:00 PM |
| Turbidity | 19.4 | 5.0 | | NTU | | 10/22/2009 3:08:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Benzene | 2.6 | 0.50 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-6
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 3:08:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-004
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Chloroethane | 5.5 | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 7:15:00 PM |
| **ICP METALS, TOTALS** | | | **200.7WT** | | **(E200.7)** | Analyst: **ALW** |
| Iron | 2.6 | 0.030 | | mg/L | 1 | 11/4/2009 12:59:10 PM |
| Manganese | 0.11 | 0.020 | | mg/L | 1 | 11/4/2009 12:59:10 PM |
| **ICP METALS, DISSOLVED** | | | **200.7WD** | | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 3:50:05 PM |
| Manganese | 0.12 | 0.020 | | mg/L | 1 | 11/5/2009 3:50:05 PM |

**NOTES:**
Dissolved value may be higher than total, however, the values are within experimental error.

| | | | |
|---|---|---|---|
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | **310.2W** | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-6
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 3:08:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-004
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | | **310.2W** | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 740 | 100 | | mg/LCaCO3 | 10 | 10/24/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | | **325.2_W** | | Analyst: **VAW** |
| Chloride | 312 | 1.00 | | mg/L | 1 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | | **350.1_W** | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | 3.47 | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | | **353.2_WNO3** | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | ND | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | | **415.1** | | Analyst: **VAW** |
| Organic Carbon, Total | 4.5 | 3.0 | | mg/L | 1 | 10/27/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Lab Order:** U0910503
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-005

**Client Sample ID:** W-8
**Collection Date:** 10/22/2009 3:49:00 PM
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 462 | 1.0 | | umhos/cm | | 10/22/2009 3:49:00 PM |
| Eh | 175 | -300 | | mV | | 10/22/2009 3:49:00 PM |
| pH | 7.42 | 6.5-8.5 | | SU | | 10/22/2009 3:49:00 PM |
| SWL | 20.88 | | | ft | | 10/22/2009 3:49:00 PM |
| Temperature | 14.3 | | | degC | | 10/22/2009 3:49:00 PM |
| Turbidity | 15.2 | 5.0 | | NTU | | 10/22/2009 3:49:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-8
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 3:49:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-005
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Tetrachloroethene | 2.5 | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 5:19:00 PM |
| **ICP METALS, TOTALS** | | | **200.7WT** | | **(E200.7)** | Analyst: **ALW** |
| Iron | 1.8 | 0.030 | | mg/L | 1 | 11/4/2009 1:07:51 PM |
| Manganese | 0.28 | 0.020 | | mg/L | 1 | 11/4/2009 1:07:51 PM |
| **ICP METALS, DISSOLVED** | | | **200.7WD** | | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 3:54:42 PM |
| Manganese | 0.027 | 0.020 | | mg/L | 1 | 11/5/2009 3:54:42 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 280 | 10 | | mg/LCaCO3 | 1 | 10/23/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-8 |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 3:49:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-005 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **CHLORIDE WATERS BY LACHAT** | | | | **325.2_W** | | Analyst: **VAW** |
| Chloride | 273 | 1.00 | | mg/L | 1 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | | **350.1_W** | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | | **353.2_WNO3** | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | 0.464 | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | | **415.1** | | Analyst: **VAW** |
| Organic Carbon, Total | 3.1 | 3.0 | | mg/L | 1 | 10/27/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-A
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 4:09:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-006
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 1214 | 1.0 | | umhos/cm | | 10/22/2009 4:09:00 PM |
| Eh | 201 | -300 | | mV | | 10/22/2009 4:09:00 PM |
| pH | 6.96 | 6.5-8.5 | | SU | | 10/22/2009 4:09:00 PM |
| SWL | 12.17 | | | ft | | 10/22/2009 4:09:00 PM |
| Temperature | 12.5 | | | degC | | 10/22/2009 4:09:00 PM |
| Turbidity | 414 | 5.0 | | NTU | | 10/22/2009 4:09:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-A
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 4:09:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-006
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 8:40:00 PM |
| **ICP METALS, TOTALS** | | | | **200.7WT** | **(E200.7)** | Analyst: **ALW** |
| Iron | 7.2 | 0.030 | | mg/L | 1 | 11/4/2009 1:16:43 PM |
| Manganese | 0.044 | 0.020 | | mg/L | 1 | 11/4/2009 1:16:43 PM |
| **ICP METALS, DISSOLVED** | | | | **200.7WD** | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 4:12:43 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/5/2009 4:12:43 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | | **310.2W** | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 220 | 10 | | mg/LCaCO3 | 1 | 10/23/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | | **325.2_W** | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-A |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 4:09:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-006 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |
| Chloride | 1890 | 10.0 | | mg/L | 10 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | **350.1_W** | | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | **353.2_WNO3** | | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | ND | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | **415.1** | | | Analyst: **VAW** |
| Organic Carbon, Total | ND | 3.0 | | mg/L | 1 | 10/27/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-B
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 4:19:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-007
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 782 | 1.0 | | umhos/cm | | 10/22/2009 4:19:00 PM |
| Eh | 184 | -300 | | mV | | 10/22/2009 4:19:00 PM |
| pH | 7.27 | 6.5-8.5 | | SU | | 10/22/2009 4:19:00 PM |
| SWL | 15.90 | | | ft | | 10/22/2009 4:19:00 PM |
| Temperature | 12.7 | | | degC | | 10/22/2009 4:19:00 PM |
| Turbidity | 23.4 | 5.0 | | NTU | | 10/22/2009 4:19:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-B
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 4:19:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-007
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 9:23:00 PM |
| **ICP METALS, TOTALS** | | | **200.7WT** | | **(E200.7)** | Analyst: **ALW** |
| Iron | 0.10 | 0.030 | | mg/L | 1 | 11/4/2009 1:25:20 PM |
| Manganese | 1.1 | 0.020 | | mg/L | 1 | 11/4/2009 1:25:20 PM |
| **ICP METALS, DISSOLVED** | | | **200.7WD** | | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 4:17:15 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/5/2009 4:17:15 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 360 | 10 | | mg/LCaCO3 | 1 | 10/23/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-B |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 4:19:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-007 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **CHLORIDE WATERS BY LACHAT** | | | | **325.2_W** | | Analyst: **VAW** |
| Chloride | 544 | 10.0 | | mg/L | 10 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | | **350.1_W** | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | | **353.2_WNO3** | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | 0.260 | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | | **415.1** | | Analyst: **VAW** |
| Organic Carbon, Total | 3.2 | 3.0 | | mg/L | 1 | 10/27/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-D
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 4:35:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-008
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | FIELD | | Analyst: |
| Conductivity | 1320 | 1.0 | | umhos/cm | | 10/22/2009 4:35:00 PM |
| Eh | 151 | -300 | | mV | | 10/22/2009 4:35:00 PM |
| pH | 7.86 | 6.5-8.5 | | SU | | 10/22/2009 4:35:00 PM |
| SWL | 20.51 | | | ft | | 10/22/2009 4:35:00 PM |
| Temperature | 12.5 | | | degC | | 10/22/2009 4:35:00 PM |
| Turbidity | 12.8 | 5.0 | | NTU | | 10/22/2009 4:35:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | 8021_W | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-D |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 4:35:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-008 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/2/2009 10:06:00 PM |
| **ICP METALS, TOTALS** | | | **200.7WT** | | **(E200.7)** | Analyst: **ALW** |
| Iron | 0.12 | 0.030 | | mg/L | 1 | 11/4/2009 1:34:03 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/4/2009 1:34:03 PM |
| **ICP METALS, DISSOLVED** | | | **200.7WD** | | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 4:21:46 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/5/2009 4:21:46 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 280 | 10 | | mg/LCaCO3 | 1 | 10/23/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-D |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 4:35:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-008 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |
| Chloride | 526 | 10.0 | | mg/L | 10 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | **350.1_W** | | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | **353.2_WNO3** | | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | 0.474 | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | **415.1** | | | Analyst: **VAW** |
| Organic Carbon, Total | 5.4 | 3.0 | | mg/L | 1 | 10/28/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-E
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 4:52:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-009
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | **FIELD** | | Analyst: |
| Conductivity | 1642 | 1.0 | | umhos/cm | | 10/22/2009 4:52:00 PM |
| Eh | 149 | -300 | | mV | | 10/22/2009 4:52:00 PM |
| pH | 7.84 | 6.5-8.5 | | SU | | 10/22/2009 4:52:00 PM |
| SWL | 24.22 | | | ft | | 10/22/2009 4:52:00 PM |
| Temperature | 11.7 | | | degC | | 10/22/2009 4:52:00 PM |
| Turbidity | 435 | 5.0 | | NTU | | 10/22/2009 4:52:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-E |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 4:52:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-009 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:02:00 PM |
| **ICP METALS, TOTALS** | | | **200.7WT** | | **(E200.7)** | Analyst: **ALW** |
| Iron | 0.76 | 0.030 | | mg/L | 1 | 11/4/2009 1:42:44 PM |
| Lead* | ND | 0.003 | | mg/L | 1 | 11/4/2009 1:42:44 PM |
| Manganese | 0.31 | 0.020 | | mg/L | 1 | 11/4/2009 1:42:44 PM |
| **ICP METALS, DISSOLVED** | | | **200.7WD** | | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 4:26:17 PM |
| Lead* | ND | 0.003 | | mg/L | 1 | 11/5/2009 4:26:17 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/5/2009 4:26:17 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-E |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 4:52:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-009 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | **310.2W** | | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 200 | 10 | | mg/LCaCO3 | 1 | 10/23/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | **325.2_W** | | | Analyst: **VAW** |
| Chloride | 10.4 | 1.00 | | mg/L | 1 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | **350.1_W** | | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | **353.2_WNO3** | | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | 0.241 | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | **415.1** | | | Analyst: **VAW** |
| Organic Carbon, Total | ND | 3.0 | | mg/L | 1 | 10/28/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** W-H
**Lab Order:** U0910503
**Collection Date:** 10/22/2009 5:05:00 PM
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-010
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | FIELD | | Analyst: |
| Conductivity | 1432 | 1.0 | | umhos/cm | | 10/22/2009 5:05:00 PM |
| Eh | 114 | -300 | | mV | | 10/22/2009 5:05:00 PM |
| pH | 8.61 | 6.5-8.5 | | SU | | 10/22/2009 5:05:00 PM |
| SWL | 50.78 | | | ft | | 10/22/2009 5:05:00 PM |
| Temperature | 11.3 | | | degC | | 10/22/2009 5:05:00 PM |
| Turbidity | 6.02 | 5.0 | | NTU | | 10/22/2009 5:05:00 PM |
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | 8021_W | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-H |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 5:05:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-010 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Methylene chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 6:44:00 PM |
| **ICP METALS, TOTALS** | | | | **200.7WT** | **(E200.7)** | Analyst: **ALW** |
| Iron | 0.12 | 0.030 | | mg/L | 1 | 11/4/2009 2:04:49 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/4/2009 2:04:49 PM |
| **ICP METALS, DISSOLVED** | | | | **200.7WD** | **(E200.7)** | Analyst: **ALW** |
| Iron | ND | 0.030 | | mg/L | 1 | 11/5/2009 4:30:49 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/5/2009 4:30:49 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | | **310.2W** | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 24 | 10 | | mg/LCaCO3 | 1 | 10/23/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | | **325.2_W** | | Analyst: **VAW** |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | W-H |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 5:05:00 PM |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-010 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **CHLORIDE WATERS BY LACHAT** | | | | **325.2_W** | | Analyst: **VAW** |
| Chloride | 18.9 | 1.00 | | mg/L | 1 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | | **350.1_W** | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | | **353.2_WNO3** | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | 0.477 | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |
| **TOTAL ORGANIC CARBON (TOC)** | | | | **415.1** | | Analyst: **VAW** |
| Organic Carbon, Total | ND | 3.0 | | mg/L | 1 | 10/28/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Lab Order:** U0910503
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-011

W-A

**Client Sample ID:** Blind Dupe
**Collection Date:** 10/22/2009
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |

**Approved By:** PWH **Date:** 11-18-09



**Qualifiers:**

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** Blind Dupe
**Lab Order:** U0910503
**Collection Date:** 10/22/2009
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-011
**Matrix:** GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Methylene chloride | 1.7 | 1.0 | B | µg/L | 1 | 11/3/2009 7:26:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 7:26:00 PM |

**NOTES:**
B- Methylene chloride present in the method blank. Recovery assumed to be contamination.

| | | | | | | |
|---|---|---|---|---|---|---|
| **ICP METALS, TOTALS** | | | | **200.7WT** | **(E200.7)** | Analyst: **ALW** |
| Iron | 7.2 | 0.030 | | mg/L | 1 | 11/4/2009 2:09:34 PM |
| Manganese | 0.043 | 0.020 | | mg/L | 1 | 11/4/2009 2:09:34 PM |
| **ICP METALS, DISSOLVED** | | | | **200.7WD** | **(E200.7)** | Analyst: **ALW** |
| Iron | 0.040 | 0.030 | | mg/L | 1 | 11/5/2009 4:35:19 PM |
| Manganese | ND | 0.020 | | mg/L | 1 | 11/5/2009 4:35:19 PM |
| **ALKALINITY ON AQUEOUS SAMPLES BY LACHAT** | | | | **310.2W** | | Analyst: **VAW** |
| Alkalinity, Total (As CaCO3) | 210 | 10 | | mg/LCaCO3 | 1 | 10/23/2009 |
| **CHLORIDE WATERS BY LACHAT** | | | | **325.2_W** | | Analyst: **VAW** |
| Chloride | 1870 | 10.0 | | mg/L | 10 | 10/23/2009 |
| **NITROGEN, AMMONIA (AS NH3 BY LACHAT)** | | | | **350.1_W** | | Analyst: **BY** |
| Nitrogen, Ammonia (As NH3) | ND | 0.500 | | mg/L | 1 | 10/24/2009 |
| **NITROGEN, NITRATE (AS N)** | | | | **353.2_WNO3** | | Analyst: **VAW** |
| Nitrogen, Nitrate (as N) | ND | 0.200 | | mg/L | 1 | 10/24/2009 8:40:00 AM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | Blind Dupe |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-011 | **Matrix:** | GROUNDWATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **TOTAL ORGANIC CARBON (TOC)** | | | **415.1** | | | Analyst: **VAW** |
| Organic Carbon, Total | ND | 3.0 | | mg/L | 1 | 10/28/2009 |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

| | | | |
|---|---|---|---|
| **CLIENT:** | Glynn Geotechnical Engineering | **Client Sample ID:** | ULI Trip Blank |
| **Lab Order:** | U0910503 | **Collection Date:** | 10/22/2009 |
| **Project:** | Lancaster LF Quarterly | | |
| **Lab ID:** | U0910503-012 | **Matrix:** | WATER |

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | **8021_W** | | | Analyst: **CMM** |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,1,1-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,1,2-Trichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,1-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,1-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,1-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2,3-Trichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2-Dibromoethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2-Dichloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,3-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,3-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 1,4-Dichlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 2,2-Dichloropropane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 2-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 4-Chlorotoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| 4-Isopropyltoluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Benzene | ND | 0.50 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Bromobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Bromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Bromodichloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Bromoform | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Bromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Carbon tetrachloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Chlorobenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Chloroethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Chloroform | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Chloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| cis-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| cis-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Dibromochloromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Dibromomethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc.

## Analytical Report

**Date:** *18-Nov-09*

**CLIENT:** Glynn Geotechnical Engineering
**Client Sample ID:** ULI Trip Blank
**Lab Order:** U0910503
**Collection Date:** 10/22/2009
**Project:** Lancaster LF Quarterly
**Lab ID:** U0910503-012
**Matrix:** WATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA 8021 LIST BY EPA METHOD 8260** | | | | **8021_W** | | Analyst: **CMM** |
| Dichlorodifluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Hexachlorobutadiene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Isopropylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| m,p-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Methylene chloride | 1.2 | 1.0 | B | µg/L | 1 | 11/3/2009 8:10:00 PM |
| n-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| n-Propylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Naphthalene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| o-Xylene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| sec-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Styrene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| tert-Butylbenzene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Tetrachloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| trans-1,2-Dichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| trans-1,3-Dichloropropene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Trichloroethene | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Trichlorofluoromethane | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |
| Vinyl chloride | ND | 1.0 | | µg/L | 1 | 11/3/2009 8:10:00 PM |

**NOTES:**
B- Methylene chloride present in the method blank. Recovery assumed to be contamination.

**Approved By:** PMH **Date:** 11-18-09



**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Low Level | ** | Value exceeds Maximum Contaminant Value |
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | S | Spike Recovery outside accepted recovery limits |

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

ULI ID No. (enter by lab)

Well ID.: W-2

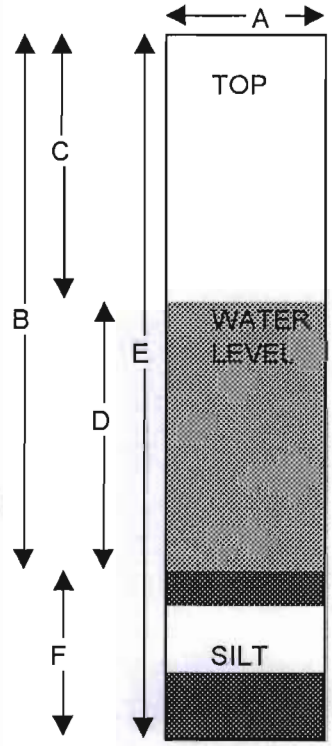
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 4" | inches |
| B. | Well Depth Measured | 32.02 | feet |
| C. | Depth to Water | 13.53 | feet |
| D. | Length of Water Column (calculated) | 18.49 | feet |
| | Conversion Factor | X.65 | ------ |
| | Well Volume (calculated) | 12.0185 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 36.0555 | gallons |
| | Actual Volume Evacuated | 36.5 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 10:49 am | 2:39 pm |
| EH | 213 | 200 |
| Temperature | 13.5°c | 14.0°c |
| pH | 6.87 | 6.98 |
| Specific Cond. | 250 | 248 |
| Turbidity | 3.54 | 18.1 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | clear | SL cloudy |
| Weather: | 62° partly cloudy | 64° cloudy |
| Observations: | MSD | |

% Recharge:

Initial Depth to Water 13.53 feet

Recharge Depth to Water 13.60 feet

2nd water column height 99.48 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: **Glynn Geotechnical Eng.**

Project: **LFG Energy**

ULI ID No. (enter by lab)

Well ID.: **W-3**

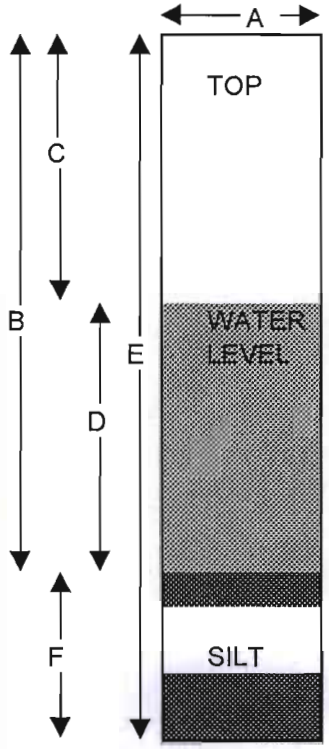
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 27.93 | feet |
| C. | Depth to Water | 22.30 | feet |
| D. | Length of Water Column (calculated) | 5.63 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | .9008 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 2.7024 | gallons |
| | Actual Volume Evacuated | 3 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 11.52am | 3:30 pm |
| EH | 220 | 216 |
| Temperature | 12.9 | 13.4°c |
| pH | 6.65 | 6.70 |
| Specific Cond. | 1005 | 1192 |
| Turbidity | 11.4 | 27.5 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Sl.cloudy | cloudy/light Brown |

% Recharge:

Initial Depth to Water 22.30 feet

Recharge Depth to Water 22.35 feet

2nd water column height 99.77 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 64° partly cloudy

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-5A

ULI ID No. (enter by lab)

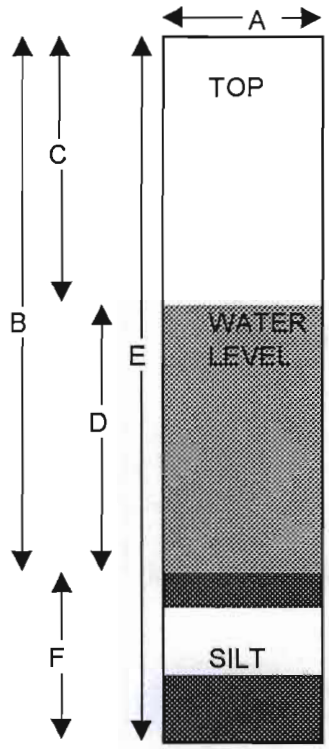
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 33.4 | feet |
| C. | Depth to Water | 20.11 | feet |
| D. | Length of Water Column (calculated) | 13.29 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 2.1264 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 6.3792 | gallons |
| | Actual Volume Evacuated | 6.5 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 11:20am | 2:52 pm |
| EH | 159 | 175 |
| Temperature | 13.1°C | 12.6°C |
| pH | 7.74 | 7.39 |
| Specific Cond. | 1244 | 1140 |
| Turbidity | 143.0 | 148.0 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Very Cloudy Light Brown | Very Cloudy Light Brown |

% Recharge:

Initial Depth to Water 20.11 feet

Recharge Depth to Water 20.13 feet

2nd water column height 99.90 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° partly cloudy

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-6

ULI ID No. (enter by lab)

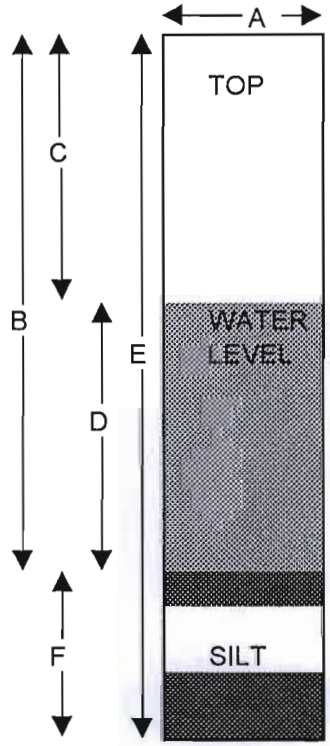
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 48.9 | feet |
| C. | Depth to Water | 32.93 | feet |
| D. | Length of Water Column (calculated) | 15.97 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 2.5552 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 7.6656 | gallons |
| | Actual Volume Evacuated | 8 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 11:36 am | 3:08 pm |
| EH | 202 | 208 |
| Temperature | 11.5°c | 10.7°c |
| pH | 6.94°c | 6.80 |
| Specific Cond. | 339 | 363 |
| Turbidity | 4.74 | 19.4 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | clear | Sl. cloudy |

% Recharge:

Initial Depth to Water 32.93 feet

Recharge Depth to Water 33.11 feet

2nd water column height 99.45 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° partly cloudy

Observations: sulfur odor

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-8

ULI ID No. (enter by lab)

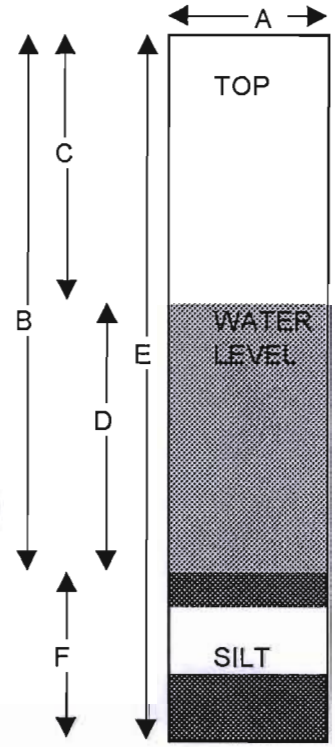
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 37.26 | feet |
| C. | Depth to Water | 20.88 | feet |
| D. | Length of Water Column (calculated) | 16.38 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 2.6208 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 7.8624 | gallons |
| | Actual Volume Evacuated | 8 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 12:29 pm | 3:49 pm |
| EH | 155 | 175 |
| Temperature | 14.7°c | 14.3°c |
| pH | 7.79 | 7.42 |
| Specific Cond. | 565 | 462 |
| Turbidity | 7.78 | 15.2 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Clear | Sl. Cloudy |

% Recharge:

Initial Depth to Water 20.88 feet

Recharge Depth to Water 21.02 feet

2nd water column height 99.33 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 64° Partly Cloudy

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc.

**Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209**
**Mailing: Box 169 * Syracuse, NY 13206**
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 581-4285




Ms. Mary E. McIntosh
NYSDEC – Region 9
270 Michigan Ave.
Buffalo, NY 14203

February 3, 2010

RE: Analytical Report:
Lancaster LF Quarterly (W-A Field Data Sheet)
Order No.: U0910503

Dear Ms. McIntosh:

Per your request, please find enclosed the W-A Field Data Sheet for the above named project.

Should you have any additional questions, please do not hesitate to give me a call.

Thank you for your patronage.

Sincerely,
UPSTATE LABORATORIES, INC.

Anthony J. Scala
President/CEO

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: **Glynn Geotechnical Eng.**

Project: **LFG Energy**

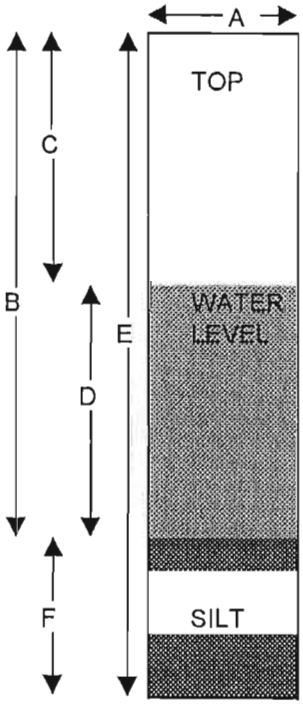
Well ID.: **W-A**

ULI ID No (enter by lab)

Condition of Well: GOOD Locked:

Method of Evacuation: DEDICATED BAILER Lock ID:

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 26.21 | feet |
| C. | Depth to Water | 12.17 | feet |
| D. | Length of Water Column (calculated) | 14.04 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 2.2464 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 6.7392 | gallons |
| | Actual Volume Evacuated | 17 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 12:51 pm | 4:09 pm |
| EH | 173 | 201 |
| Temperature | 13.0°c | 12.5°c |
| pH | 7.48 | 6.96 |
| Specific Cond. | 625 | 1214 |
| Turbidity | 7.05 | 414 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Clear | Cloudy brown |

% Recharge:

Initial Depth to Water 12.17 feet

Recharge Depth to Water 12.19 feet

2nd water column height 99.83 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° cloudy

Observations: Blind Dupe

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-A

ULI ID No. (enter by lab)

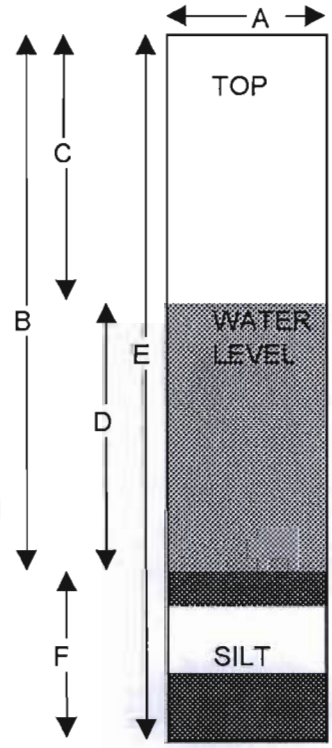
Condition of Well: GOOD

Locked:

Method of Evacuation: DEDICATED BAILER

Lock ID:

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 26.21 | feet |
| C. | Depth to Water | 12.17 | feet |
| D. | Length of Water Column (calculated) | 14.04 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 2.2464 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 6.7392 | gallons |
| | Actual Volume Evacuated | 7 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 12:51 pm | 4:09 pm |
| EH | 173 | 201 |
| Temperature | 13.0°C | 12.5°C |
| pH | 7.48 | 6.96 |
| Specific Cond. | 625 | 1214 |
| Turbidity | 7.05 | 414 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Clear | Cloudy brown |

% Recharge:

Initial Depth to Water 12.17 feet

Recharge Depth to Water 12.19 feet

2nd water column height 99.83 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° cloudy

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-B

ULI ID No. (enter by lab)

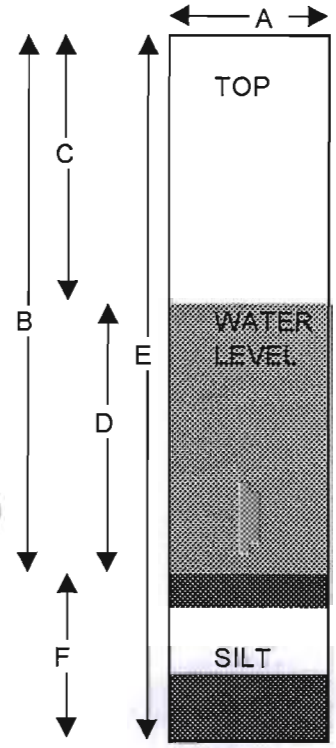
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 4207

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 32.05 | feet |
| C. | Depth to Water | 15.90 | feet |
| D. | Length of Water Column (calculated) | 16.15 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 2.4225 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 7.2675 | gallons |
| | Actual Volume Evacuated | 7.5 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 1:08 pm | 4:19 pm |
| EH | 151 | 181 |
| Temperature | 12.8°C | 12.7°C |
| pH | 7.82 | 7.27 |
| Specific Cond. | 535 | 782 |
| Turbidity | 3.57 | 23.4 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Clear | Cloudy |

% Recharge:

Initial Depth to Water 15.90 feet

Recharge Depth to Water 15.98 feet

2nd water column height 99.49 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° Cloudy

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

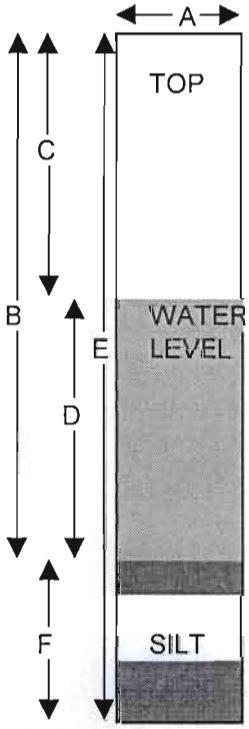
# Upstate Laboratories Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: **Glynn Geotechnical Eng.**
Project: **LFG Energy**
Well ID.: **W-C**

ULI ID No. (enter by lab)

Condition of Well: GOOD
Locked: Yes
Method of Evacuatic DEDICATED BAILER
Lock ID: 4202
Method of Sampling DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 41.18 | feet |
| C. | Depth to Water | 40.76 | feet |
| D. | Length of Water Column (calculate | 0.42 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 0.0672 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 0.2016 | gallons |
| | Actual Volume Evacuated | .5 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/A | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 1:11pm | 4:25pm |
| EH | 146 | N/A |
| Temperature | 10.3°C | N/A |
| pH | 7.85 | N/A |
| Specific Cond. | 328 | N/A |
| Turbidity | 1.93 | N/A |
| Dissolved Oxy | N/A | N/A |
| Appearance | Clear | N/A |

% Recharge: 40.76

Recharge Depth to Water 41.09 feet

2nd water column height 99.19 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° Cloudy

Observations: Insufficient Recharge No Samples Taken.

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: **Glynn Geotechnical Eng.**

Project: **LFG Energy**

ULI ID No. (enter by lab)

Well ID.: **W-D**

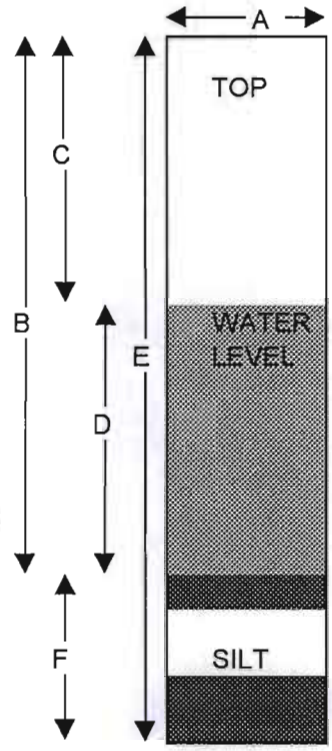
Condition of Well: GOOD

Locked: No

Method of Evacuation: DEDICATED BAILER

Lock ID:

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 34.18 | feet |
| C. | Depth to Water | 20.51 | feet |
| D. | Length of Water Column (calculated) | 13.67 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 2.1872 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 6.5616 | gallons |
| | Actual Volume Evacuated | 7 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 1:22 pm | 4:35 pm |
| EH | 131 | 151 |
| Temperature | 13.1°c | 12.5 |
| pH | 8.29 | 7.86 |
| Specific Cond. | 1091 | 1320 |
| Turbidity | 230 | 12.5 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Clear | Sl. Cloudy |

% Recharge:

Initial Depth to Water 20.51 feet

Recharge Depth to Water 20.67 feet

2nd water column height 99.22 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° cloudy

Observations:

lock rusted shut - had to cut

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-E

ULI ID No. (enter by lab)

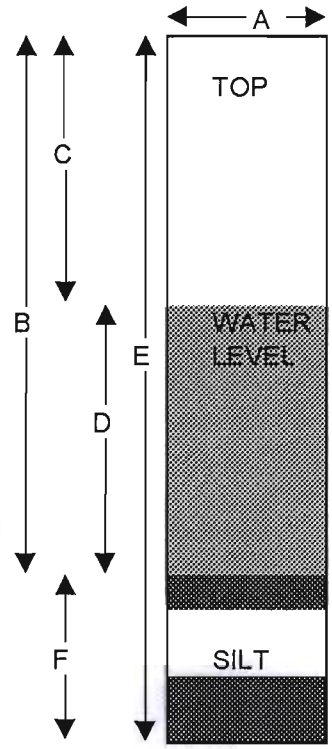
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 30.1 | feet |
| C. | Depth to Water | 24.22 | feet |
| D. | Length of Water Column (calculated) | 5.88 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | .9408 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 2.8224 | gallons |
| | Actual Volume Evacuated | 3 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 1:39pm | 4:52pm |
| EH | 142 | 149 |
| Temperature | 12.4 | 11.7° |
| pH | 7.97 | 7.84 |
| Specific Cond. | 1793 | 1642 |
| Turbidity | 10.2 | 435 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | Clear | v.cloudy/Brown |

% Recharge:

Initial Depth to Water 24.22 feet

Recharge Depth to Water 24.30 feet

2nd water column height 99.67 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 63° cloudy

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-F

ULI ID No. (enter by lab)

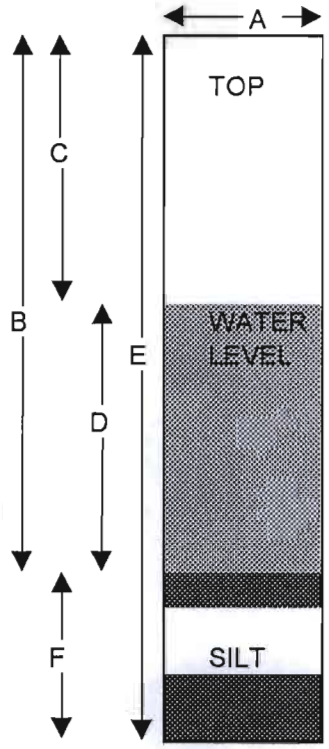
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 29.35 | feet |
| C. | Depth to Water | Well Dry @ 29.35 | feet |
| D. | Length of Water Column (calculated) | | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | | gallons |
| | Actual Volume Evacuated | | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 12:05pm | — |
| EH | N/A | N/A |
| Temperature | N/A | N/A |
| pH | N/A | N/A |
| Specific Cond. | N/A | N/A |
| Turbidity | N/A | N/A |
| Dissolved Oxygen | N/A | N/A |
| Appearance | N/A | N/A |

% Recharge:

Initial Depth to Water feet

Recharge Depth to Water feet

2nd water column height %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 64° partly Cloudy

Observations: Well inhabited by field mice

Sampler: Justin Gibson

Signature: Justin Gibson

# Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 3/27/02

Client: Glynn Geotechnical Eng.

Project: LFG Energy

Well ID.: W-H

ULI ID No. (enter by lab)

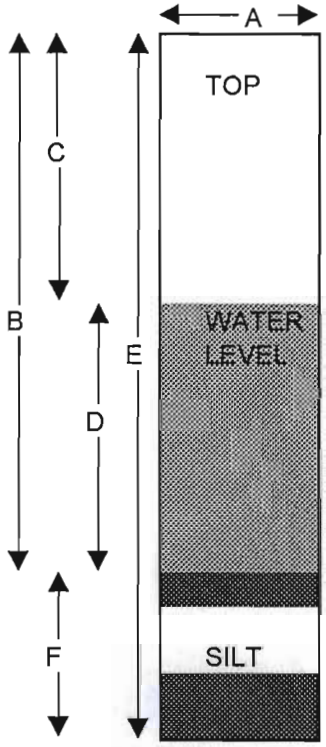
Condition of Well: GOOD

Locked: Yes

Method of Evacuation: DEDICATED BAILER

Lock ID: 2402

Method of Sampling: DEDICATED BAILER




| | | | |
|---|---|---|---|
| A. | Diameter of Well | 2" | inches |
| B. | Well Depth Measured | 78.62 | feet |
| C. | Depth to Water | 50.78 | feet |
| D. | Length of Water Column (calculated) | 27.84 | feet |
| | Conversion Factor | X.16 | ------ |
| | Well Volume (calculated) | 4.4544 | gallons |
| | No. of Volumes to be Evacuated | X 3 | ------ |
| | Total Volume to be Evacuated | 13.3632 | gallons |
| | Actual Volume Evacuated | 13.5 | gallons |
| E. | Installed Well Depth (if known) | N/A | feet |
| F. | Depth of Silt (calculated | N/a | feet |

| Field Measurements | Initial Evacuation | Final Sampling |
|---|---|---|
| Date | 10/22/09 | 10/22/09 |
| Time | 1:52 pm | 5:05 pm |
| EH | 45 | 114 |
| Temperature | 12.0°c | 11.8°c |
| pH | 9.67 | 8.61 |
| Specific Cond. | 1351 | 1432 |
| Turbidity | 31.5 | 6.02 |
| Dissolved Oxygen | N/A | N/A |
| Appearance | cloudy/light brown | clear |

% Recharge:

Initial Depth to Water 50.78 feet

Recharge Depth to Water 51.53 feet

2nd water column height 98.54 %

1st water column height

Elevation(Top of Casing) feet

G.W. Elevation= feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 64° cloudy

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

# *Upstate Laboratories, Inc.* — Chain of Custody Record

*6034 Corporate Drive E. Syracuse New York 13057*
*Phone (315) 437 0255* Fax (315) 437 1209

Client: GLYNN GEOTECH ENG.

Project #/ Project Name: LANCASTER LF QUARTERLY

Client Contact: ED LOVER

Phone #: 625-6933

Location (city/state) Address: LANCASTER, NY

| Sample ID | Date | Time | Matrix | GRAB OR COMP | ULI Internal Use Only U0910503 | Number of Containers | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Remarks **filter d-metals @ lab** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-2 | 10/22/09 | 2:39pm | GW | GRAB | 1 | 9 | X | X | X | X | X | X | X | X | | | MSD |
| W-3 | 10/22/09 | 3:30pm | GW | GRAB | 2 | 8 | X | X | X | X | X | X | X | X | | | |
| W-5A | 10/22/09 | 2:52pm | GW | GRAB | 3 | 8 | X | X | X | X | X | X | X | X | | | |
| W-6 | 10/22/09 | 3:08pm | GW | GRAB | 4 | 8 | X | X | X | X | X | X | X | X | | | |
| W-8 | 10/22/09 | 3:49pm | GW | GRAB | 5 | 8 | X | X | X | X | X | X | X | X | | | |
| W-A | 10/22/09 | 4:09pm | GW | GRAB | 6 | 8 | X | X | X | X | X | X | X | X | | | |
| W-B | 10/22/09 | 4:19pm | GW | GRAB | 7 | 8 | X | X | X | X | X | X | X | X | | | |
| W-C | 10/22/09 | 4:25pm | GW | GRAB | | 8 | X | X | X | X | X | X | X | X | | | Poor recharge - no sample |
| W-D | 10/22/09 | 4:35pm | GW | GRAB | 8 | 8 | X | X | X | X | X | X | X | X | | | |
| W-E | 10/22/09 | 4:52pm | GW | GRAB | 9 | 8 | X | X | X | X | X | | | X | X | X | |
| W-F | 10/22/09 | 12:05pm | GW | GRAB | | 8 | X | X | X | X | X | X | X | X | | | Dry - no sample |
| W-H | 10/22/09 | 5:05pm | GW | GRAB | 10 | 8 | | X | X | X | X | X | X | X | | | |
| BLIND DUPE | 10/22/09 | N/A | GW | GRAB | 11 | 8 | X | X | X | X | X | X | X | X | | | |
| TRIP BLANK (ULI) | 10/22/09 | 8:00am | GW | GRAB | 12 | 1 | | | | | | | | X | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| | Parameter and Method | Sample bottle: Type | Size | Preservative |
|---|---|---|---|---|
| 1 | SWL,TEMP,PH,EH,SPEC. COND, TURB | N/A | N/A | N/A |
| 2 | ALKALINITY | GLASS | 250 ML | NONE |
| 3 | NO3,CHLORIDE | PLASTIC | 500 ML | NONE |
| 4 | TOC | PLASTIC | 120 ML | HCL |
| 5 | NH3 | PLASTIC | 500 ML | H2SO4 |
| 6 | T-MN,FE | PLASTIC | 500 ML | HNO3 |
| 7 | D-MN,FE | PLASTIC | 500 ML | HNO3 |
| 8 | EPA 8021 FULL VOL SCAN | GLASS | 40 ML | 1:1 HCL |
| 9 | T-MN,FE,PB* | PLASTIC | 500 ML | HNO3 |
| 10 | D-MN,FE,PB* | PLASTIC | 500ML | none |

Sampled by (Print): Justin Gibson

Company: ULI

Name of Courier:

| Relinquished by:(sign) | Date | Time | Received by: (sign) |
|---|---|---|---|
| | | | |
| Relinquished by:(sign) | Date | Time | Received by: (sign) |
| | | | |
| Relinquished by:(sign) Justin Gibson | Date 10/23/09 | Time 8:00am | Rec'd for Lab by: K Chrup |

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)