



**Client ID:** Village of Wauconda Water Department

**Report Date:** April 23, 2010

**Project Name:** Non Compliance Volatile Organic Compounds

**Lab Order:** 1004805

**Client Sample ID:** WL01519 - WELL # 8

**Matrix:** DRINKING WATER

**Lab ID:** 1004805-001

**Date Received:** 04/21/2010 11:50 AM

**Collection Date:** 04/14/2010 1:40 PM

| Parameter                                       | Result | MCL    | Report Limit                    | Qual. | Units | Dilution Factor | Date Analyzed       | Batch ID |
|---|--------|--------|---------------------------------|-------|-------|-----------------|---------------------|----------|
| <b>VOLATILE ORGANIC COMPOUNDS (REGULATED)</b>   |        |        | Method: EPA-524.2-Rev 4.1, 1995 |       |       | Analyst: ks     |                     |          |
| Benzene   | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Carbon tetrachloride                            | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Chlorobenzene                                   | ND     | 100    | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,4-Dichlorobenzene                             | ND     | 75.0   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,2-Dichlorobenzene                             | ND     | 600    | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,2-Dichloroethane                              | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,1-Dichloroethene                              | ND     | 7.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| cis-1,2-Dichloroethene                          | ND     | 70.0   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| trans-1,2-Dichloroethene                        | ND     | 100    | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,2-Dichloropropane                             | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Ethylbenzene                                    | ND     | 700    | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Methylene chloride                              | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Styrene   | ND     | 100    | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Tetrachloroethene                               | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Toluene   | ND     | 1,000  | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,2,4-Trichlorobenzene                          | ND     | 70.0   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Trichloroethene                                 | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,1,1-Trichloroethane                           | ND     | 200    | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| 1,1,2-Trichloroethane                           | ND     | 5.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Vinyl chloride                                  | ND     | 2.00   | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Total Xylenes                                   | ND     | 10,000 | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |
| Surr: 1,2-Dichlorobenzene-d4                    | 114    | 0      | 66.8-122                        |       | %REC  | 1               | 04/22/2010 12:37 PM | R1463    |
| Surr: 4-Bromofluorobenzene                      | 119    | 0      | 67.7-120                        |       | %REC  | 1               | 04/22/2010 12:37 PM | R1463    |
| <b>VOLATILE ORGANIC COMPOUNDS (UNREGULATED)</b> |        |        | Method: EPA-524.2-Rev 4.1, 1995 |       |       | Analyst: ks     |                     |          |
| Methyl tert-butyl ether                         | ND     | 0      | 0.500                           |       | µg/L  | 1               | 04/22/2010 12:37 PM | R1463    |

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- c Analyte not in SLI scope of accreditation
- G Refer to case narrative page for specific comments
- J Analyte detected below quantitation limit (QL)
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- E Estimated, detected above quantitation range
- H Holding times for preparation or analysis exceeded
- N Tentatively identified compounds
- R RPD outside accepted recovery limits