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**Floyd | Snider**  
Tom Colligan  
601 Union St., Suite 600  
Seattle, Washington 98101

**RE: Fox Ave.**  
**Lab ID: 1302101**

February 26, 2013

**Attention Tom Colligan:**

Fremont Analytical, Inc. received 14 sample(s) on 2/21/2013 for the analyses presented in the following report.

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Justin Neste  
Tom McKeon



Date: 02/26/2013

**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.  
**Lab Order:** 1302101

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID  | Date/Time Collected | Date/Time Received |
|---------------|-------------------|---------------------|--------------------|
| 1302101-001   | R2-IW11-12-022013 | 02/20/2013 9:35 AM  | 02/21/2013 9:12 AM |
| 1302101-002   | R2-IW11-37-022013 | 02/20/2013 10:06 AM | 02/21/2013 9:12 AM |
| 1302101-003   | R2-IW11-60-022013 | 02/20/2013 10:34 AM | 02/21/2013 9:12 AM |
| 1302101-004   | R2-IW10-12-022013 | 02/20/2013 11:23 AM | 02/21/2013 9:12 AM |
| 1302101-005   | R2-IW10-37-022013 | 02/20/2013 11:52 AM | 02/21/2013 9:12 AM |
| 1302101-006   | R2-IW10-60-022013 | 02/20/2013 12:18 PM | 02/21/2013 9:12 AM |
| 1302101-007   | R2-IW9-12-022013  | 02/20/2013 1:36 PM  | 02/21/2013 9:12 AM |
| 1302101-008   | R2-IW9-40-022013  | 02/20/2013 2:04 PM  | 02/21/2013 9:12 AM |
| 1302101-009   | R2-IW9-63-022013  | 02/20/2013 2:27 PM  | 02/21/2013 9:12 AM |
| 1302101-010   | R2-IW8-12-022013  | 02/20/2013 3:14 PM  | 02/21/2013 9:12 AM |
| 1302101-011   | R2-IW8-40-022013  | 02/20/2013 3:38 PM  | 02/21/2013 9:12 AM |
| 1302101-012   | R2-IW8-63-022013  | 02/20/2013 4:01 PM  | 02/21/2013 9:12 AM |
| 1302101-013   | DUP1-022013       | 02/20/2013 8:00 AM  | 02/21/2013 9:12 AM |
| 1302101-014   | Trip Blank        | 02/19/2013 10:00 AM | 02/21/2013 9:12 AM |

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

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**CLIENT:** Floyd | Snider**Project:** Fox Ave.

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**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



## Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 9:35:00 AM

Project: Fox Ave.

Lab ID: 1302101-001

Matrix: Groundwater

Client Sample ID: R2-IW11-12-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 24.0 | 0.200    |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| trans-1,2-Dichloroethene      | 41.3 | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| cis-1,2-Dichloroethene        | 214  | 50.0     | D | µg/L | 50 | 2/24/2013 2:10:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| 1,2-Dichloroethane            | 2.98 | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| Trichloroethene (TCE)         | 69.0 | 50.0     | D | µg/L | 50 | 2/24/2013 2:10:00 AM |
| 1,2-Dichloropropane           | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| Tetrachloroethene (PCE)       | 53.2 | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 4:40:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 97.2 | 82.6-120 |   | %REC | 1  | 2/23/2013 4:40:00 PM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |   | %REC | 1  | 2/23/2013 4:40:00 PM |
| Surr: Toluene-d8              | 96.7 | 83.5-108 |   | %REC | 1  | 2/23/2013 4:40:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 10:06:00 AM

Project: Fox Ave.

Lab ID: 1302101-002

Matrix: Groundwater

Client Sample ID: R2-IW11-37-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | 11.9 | 0.200    |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| trans-1,2-Dichloroethene      | 11.4 | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| cis-1,2-Dichloroethene        | 49.0 | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| 1,2-Dichloroethane            | 1.94 | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Trichloroethene (TCE)         | 18.8 | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| 1,2-Dichloropropane           | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Tetrachloroethene (PCE)       | 14.2 | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 5:43:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 97.4 | 82.6-120 |  | %REC | 1 | 2/23/2013 5:43:00 PM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |  | %REC | 1 | 2/23/2013 5:43:00 PM |
| Surr: Toluene-d8              | 97.6 | 83.5-108 |  | %REC | 1 | 2/23/2013 5:43:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 10:34:00 AM

Project: Fox Ave.

Lab ID: 1302101-003

Matrix: Groundwater

Client Sample ID: R2-IW11-60-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |  |      |   |                      |
|-------------------------------|-------|----------|--|------|---|----------------------|
| Vinyl chloride                | 0.480 | 0.200    |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| 1,1-Dichloroethene            | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| trans-1,2-Dichloroethene      | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| 1,1-Dichloroethane            | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| cis-1,2-Dichloroethene        | 1.52  | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Trichloroethane (TCA)         | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| 1,2-Dichloroethane            | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Benzene                       | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Trichloroethene (TCE)         | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| 1,2-Dichloropropane           | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Toluene                       | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Tetrachloroethene (PCE)       | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Ethylbenzene                  | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| m,p-Xylene                    | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| o-Xylene                      | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Naphthalene                   | ND    | 1.00     |  | µg/L | 1 | 2/23/2013 7:50:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 97.2  | 82.6-120 |  | %REC | 1 | 2/23/2013 7:50:00 PM |
| Surr: Dibromofluoromethane    | 104   | 72.1-122 |  | %REC | 1 | 2/23/2013 7:50:00 PM |
| Surr: Toluene-d8              | 101   | 83.5-108 |  | %REC | 1 | 2/23/2013 7:50:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 11:23:00 AM

Project: Fox Ave.

Lab ID: 1302101-004

Matrix: Groundwater

Client Sample ID: R2-IW10-12-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |    |                      |
|-------------------------------|-------|----------|---|------|----|----------------------|
| Vinyl chloride                | 2,030 | 10.0     | D | µg/L | 50 | 2/24/2013 3:45:00 AM |
| 1,1-Dichloroethene            | 1.02  | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| trans-1,2-Dichloroethene      | 7.76  | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| 1,1-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| cis-1,2-Dichloroethene        | 732   | 50.0     | D | µg/L | 50 | 2/24/2013 3:45:00 AM |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| Benzene                       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| Trichloroethene (TCE)         | 7.70  | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| Toluene                       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| Tetrachloroethene (PCE)       | 17.2  | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| Ethylbenzene                  | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| m,p-Xylene                    | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| o-Xylene                      | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:22:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 97.4  | 82.6-120 |   | %REC | 1  | 2/23/2013 8:22:00 PM |
| Surr: Dibromofluoromethane    | 98.4  | 72.1-122 |   | %REC | 1  | 2/23/2013 8:22:00 PM |
| Surr: Toluene-d8              | 96.3  | 83.5-108 |   | %REC | 1  | 2/23/2013 8:22:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 11:52:00 AM

Project: Fox Ave.

Lab ID: 1302101-005

Matrix: Groundwater

Client Sample ID: R2-IW10-37-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |    |                      |
|-------------------------------|-------|----------|---|------|----|----------------------|
| Vinyl chloride                | 2,410 | 10.0     | D | µg/L | 50 | 2/24/2013 4:16:00 AM |
| 1,1-Dichloroethene            | 1.24  | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| trans-1,2-Dichloroethene      | 8.96  | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| 1,1-Dichloroethane            | 1.19  | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| cis-1,2-Dichloroethene        | 795   | 50.0     | D | µg/L | 50 | 2/24/2013 4:16:00 AM |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| Benzene                       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| Trichloroethene (TCE)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| Toluene                       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| Tetrachloroethene (PCE)       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| Ethylbenzene                  | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| m,p-Xylene                    | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| o-Xylene                      | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 8:54:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 96.9  | 82.6-120 |   | %REC | 1  | 2/23/2013 8:54:00 PM |
| Surr: Dibromofluoromethane    | 104   | 72.1-122 |   | %REC | 1  | 2/23/2013 8:54:00 PM |
| Surr: Toluene-d8              | 101   | 83.5-108 |   | %REC | 1  | 2/23/2013 8:54:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 12:18:00 PM

Project: Fox Ave.

Lab ID: 1302101-006

Matrix: Groundwater

Client Sample ID: R2-IW10-60-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |     |                       |
|-------------------------------|-------|----------|---|------|-----|-----------------------|
| Vinyl chloride                | 3,520 | 20.0     | D | µg/L | 100 | 2/26/2013 11:41:00 AM |
| 1,1-Dichloroethene            | 1.92  | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| trans-1,2-Dichloroethene      | 14.4  | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| 1,1-Dichloroethane            | 1.66  | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| cis-1,2-Dichloroethene        | 1,290 | 50.0     | D | µg/L | 50  | 2/24/2013 4:48:00 AM  |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| Benzene                       | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| Trichloroethene (TCE)         | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| Toluene                       | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| Tetrachloroethene (PCE)       | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| Ethylbenzene                  | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| m,p-Xylene                    | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| o-Xylene                      | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1   | 2/23/2013 9:25:00 PM  |
| Surr: 1-Bromo-4-fluorobenzene | 96.9  | 82.6-120 |   | %REC | 1   | 2/23/2013 9:25:00 PM  |
| Surr: Dibromofluoromethane    | 104   | 72.1-122 |   | %REC | 1   | 2/23/2013 9:25:00 PM  |
| Surr: Toluene-d8              | 99.8  | 83.5-108 |   | %REC | 1   | 2/23/2013 9:25:00 PM  |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 1:36:00 PM

Project: Fox Ave.

Lab ID: 1302101-007

Matrix: Groundwater

Client Sample ID: R2-IW9-12-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |    |                      |
|-------------------------------|-------|----------|---|------|----|----------------------|
| Vinyl chloride                | 1,050 | 10.0     | D | µg/L | 50 | 2/24/2013 5:19:00 AM |
| 1,1-Dichloroethene            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| trans-1,2-Dichloroethene      | 3.26  | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| 1,1-Dichloroethane            | 1.50  | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| cis-1,2-Dichloroethene        | 407   | 50.0     | D | µg/L | 50 | 2/24/2013 5:19:00 AM |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| Benzene                       | 1.15  | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| Trichloroethene (TCE)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| Toluene                       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| Tetrachloroethene (PCE)       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| Ethylbenzene                  | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| m,p-Xylene                    | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| o-Xylene                      | 1.56  | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 9:57:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 98.6  | 82.6-120 |   | %REC | 1  | 2/23/2013 9:57:00 PM |
| Surr: Dibromofluoromethane    | 102   | 72.1-122 |   | %REC | 1  | 2/23/2013 9:57:00 PM |
| Surr: Toluene-d8              | 98.6  | 83.5-108 |   | %REC | 1  | 2/23/2013 9:57:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 2:04:00 PM

Project: Fox Ave.

Lab ID: 1302101-008

Matrix: Groundwater

Client Sample ID: R2-IW9-40-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 651  | 10.0     | D | µg/L | 50 | 2/24/2013 5:51:00 AM  |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| trans-1,2-Dichloroethene      | 2.93 | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| 1,1-Dichloroethane            | 1.84 | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| cis-1,2-Dichloroethene        | 157  | 50.0     | D | µg/L | 50 | 2/24/2013 5:51:00 AM  |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| Benzene                       | 1.16 | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| 1,2-Dichloropropane           | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| o-Xylene                      | 1.58 | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 2/23/2013 10:29:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 95.3 | 82.6-120 |   | %REC | 1  | 2/23/2013 10:29:00 PM |
| Surr: Dibromofluoromethane    | 104  | 72.1-122 |   | %REC | 1  | 2/23/2013 10:29:00 PM |
| Surr: Toluene-d8              | 103  | 83.5-108 |   | %REC | 1  | 2/23/2013 10:29:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 2:27:00 PM

Project: Fox Ave.

Lab ID: 1302101-009

Matrix: Groundwater

Client Sample ID: R2-IW9-63-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |    |                       |
|-------------------------------|-------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 1,140 | 10.0     | D | µg/L | 50 | 2/24/2013 6:23:00 AM  |
| 1,1-Dichloroethene            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| trans-1,2-Dichloroethene      | 5.69  | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| 1,1-Dichloroethane            | 3.15  | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| cis-1,2-Dichloroethene        | 122   | 50.0     | D | µg/L | 50 | 2/24/2013 6:23:00 AM  |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| Benzene                       | 1.59  | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| Trichloroethene (TCE)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| Toluene                       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| Tetrachloroethene (PCE)       | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| Ethylbenzene                  | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| m,p-Xylene                    | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| o-Xylene                      | 1.81  | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:00:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 94.3  | 82.6-120 |   | %REC | 1  | 2/23/2013 11:00:00 PM |
| Surr: Dibromofluoromethane    | 106   | 72.1-122 |   | %REC | 1  | 2/23/2013 11:00:00 PM |
| Surr: Toluene-d8              | 103   | 83.5-108 |   | %REC | 1  | 2/23/2013 11:00:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 3:14:00 PM

Project: Fox Ave.

Lab ID: 1302101-010

Matrix: Groundwater

Client Sample ID: R2-IW8-12-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |    |                       |
|-------------------------------|-------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 2,220 | 10.0     | D | µg/L | 50 | 2/24/2013 6:54:00 AM  |
| 1,1-Dichloroethene            | 2.06  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| trans-1,2-Dichloroethene      | 3.71  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| 1,1-Dichloroethane            | 20.9  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| cis-1,2-Dichloroethene        | 2,560 | 50.0     | D | µg/L | 50 | 2/24/2013 6:54:00 AM  |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| Benzene                       | 4.52  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| Trichloroethene (TCE)         | 10.1  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| Toluene                       | 20.5  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| Tetrachloroethene (PCE)       | 16.4  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| Ethylbenzene                  | 37.1  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| m,p-Xylene                    | 14.0  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| o-Xylene                      | 11.0  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| 1,2,4-Trimethylbenzene        | 2.78  | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1  | 2/23/2013 11:32:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 99.2  | 82.6-120 |   | %REC | 1  | 2/23/2013 11:32:00 PM |
| Surr: Dibromofluoromethane    | 104   | 72.1-122 |   | %REC | 1  | 2/23/2013 11:32:00 PM |
| Surr: Toluene-d8              | 103   | 83.5-108 |   | %REC | 1  | 2/23/2013 11:32:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 3:38:00 PM

Project: Fox Ave.

Lab ID: 1302101-011

Matrix: Groundwater

Client Sample ID: R2-IW8-40-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |     |                       |
|-------------------------------|-------|----------|---|------|-----|-----------------------|
| Vinyl chloride                | 6,450 | 100      | D | µg/L | 500 | 2/26/2013 12:12:00 PM |
| 1,1-Dichloroethene            | 3.03  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| trans-1,2-Dichloroethene      | 10.2  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| 1,1-Dichloroethane            | 57.3  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| cis-1,2-Dichloroethene        | 5,330 | 500      | D | µg/L | 500 | 2/26/2013 12:12:00 PM |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| Benzene                       | 9.80  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| Trichloroethene (TCE)         | 1.54  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| Toluene                       | 39.4  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| Tetrachloroethene (PCE)       | 2.10  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| Ethylbenzene                  | 18.0  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| m,p-Xylene                    | 5.69  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| o-Xylene                      | 11.3  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| 1,2,4-Trimethylbenzene        | 2.10  | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:04:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 95.0  | 82.6-120 |   | %REC | 1   | 2/24/2013 12:04:00 AM |
| Surr: Dibromofluoromethane    | 104   | 72.1-122 |   | %REC | 1   | 2/24/2013 12:04:00 AM |
| Surr: Toluene-d8              | 97.8  | 83.5-108 |   | %REC | 1   | 2/24/2013 12:04:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 4:01:00 PM

Project: Fox Ave.

Lab ID: 1302101-012

Matrix: Groundwater

Client Sample ID: R2-IW8-63-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |     |                       |
|-------------------------------|-------|----------|---|------|-----|-----------------------|
| Vinyl chloride                | 5,250 | 40.0     | D | µg/L | 200 | 2/26/2013 12:44:00 PM |
| 1,1-Dichloroethene            | 2.36  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| trans-1,2-Dichloroethene      | 4.21  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| 1,1-Dichloroethane            | 55.9  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| cis-1,2-Dichloroethene        | 3,130 | 200      | D | µg/L | 200 | 2/26/2013 12:44:00 PM |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| Benzene                       | 10.2  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| Trichloroethene (TCE)         | 3.27  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| Toluene                       | 29.3  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| Tetrachloroethene (PCE)       | 5.31  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| Ethylbenzene                  | 20.8  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| m,p-Xylene                    | 6.68  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| o-Xylene                      | 10.3  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| 1,2,4-Trimethylbenzene        | 2.40  | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1   | 2/24/2013 12:35:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 95.9  | 82.6-120 |   | %REC | 1   | 2/24/2013 12:35:00 AM |
| Surr: Dibromofluoromethane    | 106   | 72.1-122 |   | %REC | 1   | 2/24/2013 12:35:00 AM |
| Surr: Toluene-d8              | 103   | 83.5-108 |   | %REC | 1   | 2/24/2013 12:35:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/20/2013 8:00:00 AM

Project: Fox Ave.

Lab ID: 1302101-013

Matrix: Groundwater

Client Sample ID: DUP1-022013

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |       |          |   |      |    |                      |
|-------------------------------|-------|----------|---|------|----|----------------------|
| Vinyl chloride                | 2,040 | 10.0     | D | µg/L | 50 | 2/24/2013 8:29:00 AM |
| 1,1-Dichloroethene            | 1.05  | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| trans-1,2-Dichloroethene      | 7.82  | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| 1,1-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| cis-1,2-Dichloroethene        | 690   | 50.0     | D | µg/L | 50 | 2/24/2013 8:29:00 AM |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| Benzene                       | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| Trichloroethene (TCE)         | 7.07  | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| 1,2-Dichloropropane           | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| Toluene                       | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| Tetrachloroethene (PCE)       | 15.9  | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| Ethylbenzene                  | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| m,p-Xylene                    | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| o-Xylene                      | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| Naphthalene                   | ND    | 1.00     |   | µg/L | 1  | 2/24/2013 1:07:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 95.4  | 82.6-120 |   | %REC | 1  | 2/24/2013 1:07:00 AM |
| Surr: Dibromofluoromethane    | 104   | 72.1-122 |   | %REC | 1  | 2/24/2013 1:07:00 AM |
| Surr: Toluene-d8              | 100   | 83.5-108 |   | %REC | 1  | 2/24/2013 1:07:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1302101

Date Reported: 2/26/2013

Client: Floyd | Snider

Collection Date: 2/19/2013 10:00:00 AM

Project: Fox Ave.

Lab ID: 1302101-014

Matrix: Groundwater

Client Sample ID: Trip Blank

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R7557

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | ND   | 0.200    |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| cis-1,2-Dichloroethene        | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| 1,2-Dichloropropane           | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 2/23/2013 4:08:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 98.3 | 82.6-120 |  | %REC | 1 | 2/23/2013 4:08:00 PM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |  | %REC | 1 | 2/23/2013 4:08:00 PM |
| Surr: Toluene-d8              | 102  | 83.5-108 |  | %REC | 1 | 2/23/2013 4:08:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



Date: 2/26/2013

Work Order: 1302101  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                               |                 |             |           |             |                          |          |           |               |      |          |      |
|-------------------------------|-----------------|-------------|-----------|-------------|--------------------------|----------|-----------|---------------|------|----------|------|
| Sample ID: 1302101-001ADUP    | SampType: DUP   | Units: µg/L |           |             | Prep Date: 2/23/2013     |          |           | RunNo: 7557   |      |          |      |
| Client ID: R2-IW11-12-022013  | Batch ID: R7557 |             |           |             | Analysis Date: 2/23/2013 |          |           | SeqNo: 149808 |      |          |      |
| Analyte                       | Result          | RL          | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | RPD Ref Val   | %RPD | RPDLimit | Qual |
| Vinyl chloride                | 26.2            | 0.200       |           |             |                          |          |           | 23.96         | 8.97 | 30       |      |
| 1,1-Dichloroethene            | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| trans-1,2-Dichloroethene      | 45.9            | 1.00        |           |             |                          |          |           | 41.30         | 10.5 | 30       |      |
| 1,1-Dichloroethane            | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| cis-1,2-Dichloroethene        | 149             | 1.00        |           |             |                          |          |           | 134.9         | 9.93 | 30       | E    |
| Trichloroethane (TCA)         | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| 1,2-Dichloroethane            | 3.26            | 1.00        |           |             |                          |          |           | 2.980         | 8.97 | 30       |      |
| Benzene                       | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| Trichloroethene (TCE)         | 87.5            | 1.00        |           |             |                          |          |           | 79.68         | 9.34 | 30       | E    |
| 1,2-Dichloropropane           | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| Toluene                       | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| 1,1,2-Trichloroethane         | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| Tetrachloroethene (PCE)       | 60.6            | 1.00        |           |             |                          |          |           | 53.24         | 12.8 | 30       |      |
| Ethylbenzene                  | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| m,p-Xylene                    | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| o-Xylene                      | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| 1,1,2,2-Tetrachloroethane     | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| 1,2,4-Trimethylbenzene        | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| Naphthalene                   | ND              | 1.00        |           |             |                          |          |           | 0             | 0    | 30       |      |
| Surr: 1-Bromo-4-fluorobenzene | 9.57            |             | 10.00     |             | 95.7                     | 82.6     | 120       |               | 0    |          |      |
| Surr: Dibromofluoromethane    | 10.5            |             | 10.00     |             | 105                      | 72.1     | 122       |               | 0    |          |      |
| Surr: Toluene-d8              | 10.6            |             | 10.00     |             | 106                      | 83.5     | 108       |               | 0    |          |      |

|                                     |        |                        |           |                    |      |                                 |           |                      |      |          |      |
|-------------------------------------|--------|------------------------|-----------|--------------------|------|---------------------------------|-----------|----------------------|------|----------|------|
| Sample ID: <b>1302101-002AMS</b>    |        | SampType: <b>MS</b>    |           | Units: <b>µg/L</b> |      | Prep Date: <b>2/23/2013</b>     |           | RunNo: <b>7557</b>   |      |          |      |
| Client ID: <b>R2-IW11-37-022013</b> |        | Batch ID: <b>R7557</b> |           |                    |      | Analysis Date: <b>2/23/2013</b> |           | SeqNo: <b>149810</b> |      |          |      |
| Analyte                             | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                        | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Vinyl chloride                      | 25.0   | 0.200                  | 20.00     | 11.90              | 65.5 | 45.6                            | 149       |                      |      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 2/26/2013

Work Order: 1302101  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                               |                 |             |           |             |      |                          |           |             |               |          |      |
|-------------------------------|-----------------|-------------|-----------|-------------|------|--------------------------|-----------|-------------|---------------|----------|------|
| Sample ID: 1302101-002AMS     | SampType: MS    | Units: µg/L |           |             |      | Prep Date: 2/23/2013     |           |             | RunNo: 7557   |          |      |
| Client ID: R2-IW11-37-022013  | Batch ID: R7557 |             |           |             |      | Analysis Date: 2/23/2013 |           |             | SeqNo: 149810 |          |      |
| Analyte                       | Result          | RL          | SPK value | SPK Ref Val | %REC | LowLimit                 | HighLimit | RPD Ref Val | %RPD          | RPDLimit | Qual |
| 1,1-Dichloroethene            | 15.3            | 1.00        | 20.00     | 0           | 76.4 | 58.2                     | 146       |             |               |          |      |
| trans-1,2-Dichloroethene      | 28.2            | 1.00        | 20.00     | 11.37       | 84.1 | 69                       | 132       |             |               |          |      |
| 1,1-Dichloroethane            | 16.4            | 1.00        | 20.00     | 0           | 82.0 | 74.7                     | 133       |             |               |          |      |
| cis-1,2-Dichloroethene        | 64.7            | 1.00        | 20.00     | 49.01       | 78.4 | 67.1                     | 123       |             |               |          |      |
| Trichloroethane (TCA)         | 16.8            | 1.00        | 20.00     | 0           | 84.2 | 64.2                     | 146       |             |               |          |      |
| 1,2-Dichloroethane            | 18.1            | 1.00        | 20.00     | 1.940       | 80.8 | 62.3                     | 130       |             |               |          |      |
| Benzene                       | 16.2            | 1.00        | 20.00     | 0           | 80.9 | 68.7                     | 132       |             |               |          |      |
| Trichloroethene (TCE)         | 35.0            | 1.00        | 20.00     | 18.77       | 81.1 | 65.7                     | 133       |             |               |          |      |
| 1,2-Dichloropropane           | 17.0            | 1.00        | 20.00     | 0           | 85.2 | 70                       | 130       |             |               |          |      |
| Toluene                       | 16.0            | 1.00        | 20.00     | 0           | 79.9 | 68.4                     | 133       |             |               |          |      |
| 1,1,2-Trichloroethane         | 16.1            | 1.00        | 20.00     | 0           | 80.4 | 59.4                     | 127       |             |               |          |      |
| Tetrachloroethene (PCE)       | 24.4            | 1.00        | 20.00     | 14.15       | 51.3 | 51.5                     | 109       |             |               |          | S    |
| Ethylbenzene                  | 15.8            | 1.00        | 20.00     | 0           | 79.2 | 67.3                     | 135       |             |               |          |      |
| m,p-Xylene                    | 32.0            | 1.00        | 40.00     | 0           | 79.9 | 63.3                     | 135       |             |               |          |      |
| o-Xylene                      | 16.9            | 1.00        | 20.00     | 0           | 84.6 | 67.8                     | 131       |             |               |          |      |
| 1,1,2,2-Tetrachloroethane     | 19.6            | 1.00        | 20.00     | 0           | 98.2 | 59.1                     | 137       |             |               |          |      |
| 1,2,4-Trimethylbenzene        | 14.7            | 1.00        | 20.00     | 0           | 73.5 | 63.7                     | 132       |             |               |          |      |
| Naphthalene                   | 16.7            | 1.00        | 20.00     | 0           | 83.6 | 58.7                     | 119       |             |               |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 10.3            |             | 10.00     |             | 103  | 82.6                     | 120       |             |               |          |      |
| Surr: Dibromofluoromethane    | 10.4            |             | 10.00     |             | 104  | 72.1                     | 122       |             |               |          |      |
| Surr: Toluene-d8              | 9.96            |             | 10.00     |             | 99.6 | 83.5                     | 108       |             |               |          |      |

**NOTES:**

S - Outlying QC recoveries were observed (Tetrachloroethene; low bias). There was a detection of Tetrachloroethene in the sample. The method is in control as indicated by the LCS.

|                             |        |                        |           |                    |      |                             |                                 |             |                    |                      |      |
|-----------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|--------------------|----------------------|------|
| Sample ID: <b>LCS-R7557</b> |        | SampType: <b>LCS</b>   |           | Units: <b>µg/L</b> |      | Prep Date: <b>2/23/2013</b> |                                 |             | RunNo: <b>7557</b> |                      |      |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>R7557</b> |           |                    |      |                             | Analysis Date: <b>2/23/2013</b> |             |                    | SeqNo: <b>149826</b> |      |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD               | RPDLimit             | Qual |
| Vinyl chloride              | 19.3   | 0.200                  | 20.00     | 0                  | 96.3 | 56.2                        | 130                             |             |                    |                      |      |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 2/26/2013

Work Order: 1302101  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>LCS-R7557</b>   | SampType: <b>LCS</b>   | Units: <b>µg/L</b>              |           |             |      | Prep Date: <b>2/23/2013</b> |           |             | RunNo: <b>7557</b>   |          |      |
|-------------------------------|------------------------|---------------------------------|-----------|-------------|------|-----------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>LCSW</b>        | Batch ID: <b>R7557</b> | Analysis Date: <b>2/23/2013</b> |           |             |      |                             |           |             | SeqNo: <b>149826</b> |          |      |
| Analyte                       | Result                 | RL                              | SPK value | SPK Ref Val | %REC | LowLimit                    | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| 1,1-Dichloroethene            | 18.5                   | 1.00                            | 20.00     | 0           | 92.5 | 60.7                        | 146       |             |                      |          |      |
| trans-1,2-Dichloroethene      | 19.4                   | 1.00                            | 20.00     | 0           | 97.0 | 71.3                        | 129       |             |                      |          |      |
| 1,1-Dichloroethane            | 19.6                   | 1.00                            | 20.00     | 0           | 97.9 | 71.3                        | 129       |             |                      |          |      |
| cis-1,2-Dichloroethene        | 19.6                   | 1.00                            | 20.00     | 0           | 98.0 | 67.5                        | 127       |             |                      |          |      |
| Trichloroethane (TCA)         | 19.7                   | 1.00                            | 20.00     | 0           | 98.5 | 67.9                        | 134       |             |                      |          |      |
| 1,2-Dichloroethane            | 20.2                   | 1.00                            | 20.00     | 0           | 101  | 65.8                        | 126       |             |                      |          |      |
| Benzene                       | 19.6                   | 1.00                            | 20.00     | 0           | 97.8 | 75.2                        | 124       |             |                      |          |      |
| Trichloroethene (TCE)         | 20.0                   | 1.00                            | 20.00     | 0           | 99.8 | 71.9                        | 130       |             |                      |          |      |
| 1,2-Dichloropropane           | 20.4                   | 1.00                            | 20.00     | 0           | 102  | 71.9                        | 131       |             |                      |          |      |
| Toluene                       | 21.2                   | 1.00                            | 20.00     | 0           | 106  | 75.2                        | 129       |             |                      |          |      |
| 1,1,2-Trichloroethane         | 20.9                   | 1.00                            | 20.00     | 0           | 105  | 65.4                        | 128       |             |                      |          |      |
| Tetrachloroethene (PCE)       | 18.9                   | 1.00                            | 20.00     | 0           | 94.6 | 52.4                        | 140       |             |                      |          |      |
| Ethylbenzene                  | 20.2                   | 1.00                            | 20.00     | 0           | 101  | 78                          | 127       |             |                      |          |      |
| m,p-Xylene                    | 40.9                   | 1.00                            | 40.00     | 0           | 102  | 77.5                        | 130       |             |                      |          |      |
| o-Xylene                      | 20.9                   | 1.00                            | 20.00     | 0           | 105  | 77.6                        | 126       |             |                      |          |      |
| 1,1,2,2-Tetrachloroethane     | 21.2                   | 1.00                            | 20.00     | 0           | 106  | 68                          | 134       |             |                      |          |      |
| 1,2,4-Trimethylbenzene        | 20.1                   | 1.00                            | 20.00     | 0           | 100  | 72.3                        | 133       |             |                      |          |      |
| Naphthalene                   | 22.8                   | 1.00                            | 20.00     | 0           | 114  | 58.2                        | 140       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 10.3                   |                                 | 10.00     |             | 103  | 82.6                        | 120       |             |                      |          |      |
| Surr: Dibromofluoromethane    | 10.4                   |                                 | 10.00     |             | 104  | 72.1                        | 122       |             |                      |          |      |
| Surr: Toluene-d8              | 9.96                   |                                 | 10.00     |             | 99.6 | 83.5                        | 108       |             |                      |          |      |

|                            |                        |                    |           |             |                                 |          |           |                      |      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>MB-R7557</b> | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             | Prep Date: <b>2/23/2013</b>     |          |           | RunNo: <b>7557</b>   |      |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R7557</b> |                    |           |             | Analysis Date: <b>2/23/2013</b> |          |           | SeqNo: <b>149827</b> |      |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Vinyl chloride             | ND                     | 0.200              |           |             |                                 |          |           |                      |      |          |      |
| 1,1-Dichloroethene         | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 2/26/2013

Work Order: 1302101  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>MB-R7557</b>    | SampType: <b>MBLK</b>  | Units: <b>µg/L</b>              |           |             | Prep Date: <b>2/23/2013</b> |          |           | RunNo: <b>7557</b>   |      |          |      |
|-------------------------------|------------------------|---------------------------------|-----------|-------------|-----------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>       | Batch ID: <b>R7557</b> | Analysis Date: <b>2/23/2013</b> |           |             |                             |          |           | SeqNo: <b>149827</b> |      |          |      |
| Analyte                       | Result                 | RL                              | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| trans-1,2-Dichloroethene      | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,1-Dichloroethane            | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| cis-1,2-Dichloroethene        | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Trichloroethane (TCA)         | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,2-Dichloroethane            | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Benzene                       | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Trichloroethene (TCE)         | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,2-Dichloropropane           | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Toluene                       | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,1,2-Trichloroethane         | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Tetrachloroethene (PCE)       | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Ethylbenzene                  | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| m,p-Xylene                    | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| o-Xylene                      | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,1,2,2-Tetrachloroethane     | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,2,4-Trimethylbenzene        | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Naphthalene                   | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 9.89                   |                                 | 10.00     |             | 98.9                        | 82.6     | 120       |                      |      |          |      |
| Surr: Dibromofluoromethane    | 10.2                   |                                 | 10.00     |             | 102                         | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8              | 10.2                   |                                 | 10.00     |             | 102                         | 83.5     | 108       |                      |      |          |      |

|                               |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>CCV-R7557</b>   | SampType: <b>CCV</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>2/26/2013</b>     |           |             | RunNo: <b>7557</b>   |          |      |
| Client ID: <b>CCV</b>         | Batch ID: <b>R7557</b> |                    |           |             |      | Analysis Date: <b>2/26/2013</b> |           |             | SeqNo: <b>149830</b> |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride                | 20.7                   | 0.200              | 20.00     | 0           | 104  | 80                              | 120       |             |                      |          |      |
| cis-1,2-Dichloroethene        | 16.1                   | 1.00               | 20.00     | 0           | 80.4 | 80                              | 120       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 9.70                   |                    | 10.00     |             | 97.0 | 79.2                            | 120       |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 2/26/2013

Work Order: 1302101  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                             |                        |                                 |           |             |                             |          |           |                      |      |          |      |
|-----------------------------|------------------------|---------------------------------|-----------|-------------|-----------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>CCV-R7557</b> | SampType: <b>CCV</b>   | Units: <b>µg/L</b>              |           |             | Prep Date: <b>2/26/2013</b> |          |           | RunNo: <b>7557</b>   |      |          |      |
| Client ID: <b>CCV</b>       | Batch ID: <b>R7557</b> | Analysis Date: <b>2/26/2013</b> |           |             |                             |          |           | SeqNo: <b>149830</b> |      |          |      |
| Analyte                     | Result                 | RL                              | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Surr: Dibromofluoromethane  | 8.17                   |                                 | 10.00     |             | 81.7                        | 76       | 114       |                      |      |          |      |
| Surr: Toluene-d8            | 8.68                   |                                 | 10.00     |             | 86.8                        | 86.8     | 119       |                      |      |          |      |

|             |   |                                                    |    |                                            |    |                                                 |
|-------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|             | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |

Client Name: **FS**

 Work Order Number: **1302101**

 Logged by: **Troy Zehr**

 Date Received: **2/21/2013 9:12:00 AM**

## Chain of Custody

1. Were custodial seals present? Yes ☐ No ☐ Not Required ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Client

## Log In

4. Coolers are present? Yes ☒ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. Is there headspace present in VOA vials? Yes ☐ No ☒ NA ☐
12. Did all sample containers arrive in good condition?(unbroken) Yes ☒ No ☐
13. Does paperwork match bottle labels? Yes ☒ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met? Yes ☒ No ☐

## Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |                      |       |                                                                                                                               |
|----------------------|----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|
| Person Notified:     | <input type="text"/> | Date: | <input type="text"/>                                                                                                          |
| By Whom:             | <input type="text"/> | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <input type="text"/> |       |                                                                                                                               |
| Client Instructions: | <input type="text"/> |       |                                                                                                                               |

18. Additional remarks/Discrepancies

## Item Information

| Item #     | Temp °C | Condition |
|------------|---------|-----------|
| Cooler     | 3.6     | Good      |
| Temp Blank | 2.9     | Good      |



**Fremont**  
ANALYTICAL

3600 Fremont Ave N.  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: Floyd Swider

Address:

City, State, Zip

Project Name: Fox And

Location: Fox And - 3300

Collected by: J Nester C Gaillogher

Tel:

Represents To (PM): Tom Colligan

Fax:

Email: Tom.Colligan@FremontAnalytical.com Project No: K0183000

## Chain of Custody Record

Laboratory Report No (if formal):

1302101

Date: 2-20-13

Page: 1 of: 1

Reinforced

Not Reinforced

X

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Date/Time

2/20/13 0912

Date/Time

2/21/13 9:12

Received

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X

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X

X

Sample Disposal:

☐ Return to Client

☐ Disposal by Lab (a fee may be assessed if samples are returned after 15 days)

Special Remarks:

a. Tom Wukson

Justin Nester

TA -> Next Day 1 Day 5 Day



|       |   |   |
|-------|---|---|
| bagel | 2 | 2 |
| of    | 2 | 2 |

Four Ave

Fox Ave - SBW

Collected by:

Email: [Tom2011@gmail.com](mailto:Tom2011@gmail.com) Phone Number: 4083000

### Chain of Custody Record

[illegible]



3600 Fremont Ave. N.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Floyd | Snider**  
Tom Colligan  
601 Union St., Suite 600  
Seattle, Washington 98101

**RE: Fox Ave.**  
**Lab ID: 1305204**

June 05, 2013

**Attention Tom Colligan:**

Fremont Analytical, Inc. received 11 sample(s) on 5/29/2013 for the analyses presented in the following report.

***Dissolved Gases by RSK-175***  
***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Justin Neste  
Tom McKeon

**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.  
**Lab Order:** 1305204

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID  | Date/Time Collected | Date/Time Received |
|---------------|-------------------|---------------------|--------------------|
| 1305204-001   | R2-IW1-17-052913  | 05/29/2013 10:40 AM | 05/29/2013 3:16 PM |
| 1305204-002   | R2-IW1-45-052913  | 05/29/2013 10:59 AM | 05/29/2013 3:16 PM |
| 1305204-003   | R1-IW3a-12-052913 | 05/29/2013 11:28 AM | 05/29/2013 3:16 PM |
| 1305204-004   | R1-IW4a-11-052913 | 05/29/2013 11:51 AM | 05/29/2013 3:16 PM |
| 1305204-005   | R1-IW4b-50-052913 | 05/29/2013 12:14 PM | 05/29/2013 3:16 PM |
| 1305204-006   | B-61-052913       | 05/29/2013 1:19 PM  | 05/29/2013 3:16 PM |
| 1305204-007   | B-60-052913       | 05/29/2013 1:41 PM  | 05/29/2013 3:16 PM |
| 1305204-008   | B-59-052913       | 05/29/2013 2:10 PM  | 05/29/2013 3:16 PM |
| 1305204-009   | B-58-052913       | 05/29/2013 2:34 PM  | 05/29/2013 3:16 PM |
| 1305204-010   | Dup1-052913       | 05/29/2013 8:00 AM  | 05/29/2013 3:16 PM |
| 1305204-011   | Trip Blank        | 05/24/2013 12:00 PM | 05/29/2013 3:16 PM |

**CLIENT:** Floyd | Snider**Project:** Fox Ave.

---

**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 10:40:00 AM

Project: Fox Ave.

Lab ID: 1305204-001

Matrix: Groundwater

Client Sample ID: R2-IW1-17-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |       |      |   |      |    |                      |
|-----------------------------|-------|------|---|------|----|----------------------|
| Dichlorodifluoromethane     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Chloromethane               | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Vinyl chloride              | 2,160 | 10.0 | D | µg/L | 50 | 6/4/2013 6:38:00 PM  |
| Trichlorofluoromethane      | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Chloroethane                | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,1-Dichloroethene          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Methylene chloride          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| trans-1,2-Dichloroethene    | 3.61  | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,1-Dichloroethane          | 1.63  | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 2,2-Dichloropropane         | ND    | 2.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| cis-1,2-Dichloroethene      | 941   | 50.0 | D | µg/L | 50 | 6/4/2013 6:38:00 PM  |
| Chloroform                  | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Trichloroethane (TCA)       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,1-Dichloropropene         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Carbon tetrachloride        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,2-Dichloroethane          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Benzene                     | 2.57  | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Trichloroethene (TCE)       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,2-Dichloropropane         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Bromodichloromethane        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| cis-1,3-Dichloropropene     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Toluene                     | 3.32  | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| trans-1,3-Dichloropropylene | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,1,2-Trichloroethane       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,3-Dichloropropane         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Tetrachloroethene (PCE)     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Dibromochloromethane        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Chlorobenzene               | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,1,1,2-Tetrachloroethane   | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| Ethylbenzene                | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| m,p-Xylene                  | 1.13  | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| o-Xylene                    | 2.70  | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 1,1,2,2-Tetrachloroethane   | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 2-Chlorotoluene             | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |
| 4-Chlorotoluene             | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 11:13:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 10:40:00 AM

Project: Fox Ave.

Lab ID: 1305204-001

Matrix: Groundwater

Client Sample ID: R2-IW1-17-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| 1,3-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| 1,4-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| 1,2-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 11:13:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 99.0 | 66.8-124 |  | %REC | 1 | 6/2/2013 11:13:00 AM |
| Surr: Dibromofluoromethane    | 93.2 | 72.1-122 |  | %REC | 1 | 6/2/2013 11:13:00 AM |
| Surr: Toluene-d8              | 106  | 62.1-129 |  | %REC | 1 | 6/2/2013 11:13:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 10:59:00 AM

Project: Fox Ave.

Lab ID: 1305204-002

Matrix: Groundwater

Client Sample ID: R2-IW1-45-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |       |      |   |      |    |                      |
|-----------------------------|-------|------|---|------|----|----------------------|
| Dichlorodifluoromethane     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Chloromethane               | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Vinyl chloride              | 2,410 | 10.0 | D | µg/L | 50 | 6/4/2013 7:11:00 PM  |
| Trichlorofluoromethane      | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Chloroethane                | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,1-Dichloroethene          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Methylene chloride          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| trans-1,2-Dichloroethene    | 17.5  | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,1-Dichloroethane          | 1.43  | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 2,2-Dichloropropane         | ND    | 2.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| cis-1,2-Dichloroethene      | 1,030 | 50.0 | D | µg/L | 50 | 6/4/2013 7:11:00 PM  |
| Chloroform                  | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Trichloroethane (TCA)       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,1-Dichloropropene         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Carbon tetrachloride        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,2-Dichloroethane          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Benzene                     | 2.62  | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Trichloroethene (TCE)       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,2-Dichloropropane         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Bromodichloromethane        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| cis-1,3-Dichloropropene     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Toluene                     | 3.41  | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| trans-1,3-Dichloropropylene | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,1,2-Trichloroethane       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,3-Dichloropropane         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Tetrachloroethene (PCE)     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Dibromochloromethane        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Chlorobenzene               | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| Ethylbenzene                | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| m,p-Xylene                  | 1.16  | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| o-Xylene                    | 2.62  | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 1,1,2,2-Tetrachloroethane   | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 2-Chlorotoluene             | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |
| 4-Chlorotoluene             | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 12:18:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 10:59:00 AM

Project: Fox Ave.

Lab ID: 1305204-002

Matrix: Groundwater

Client Sample ID: R2-IW1-45-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| 1,3-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| 1,4-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| 1,2-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 12:18:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |  | %REC | 1 | 6/2/2013 12:18:00 PM |
| Surr: Dibromofluoromethane    | 87.8 | 72.1-122 |  | %REC | 1 | 6/2/2013 12:18:00 PM |
| Surr: Toluene-d8              | 101  | 62.1-129 |  | %REC | 1 | 6/2/2013 12:18:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 11:28:00 AM

Project: Fox Ave.

Lab ID: 1305204-003

Matrix: Groundwater

Client Sample ID: R1-IW3a-12-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |      |       |  |      |   |                     |
|-----------------------------|------|-------|--|------|---|---------------------|
| Dichlorodifluoromethane     | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Chloromethane               | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Vinyl chloride              | 3.59 | 0.200 |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Trichlorofluoromethane      | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Chloroethane                | 3.96 | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,1-Dichloroethene          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Methylene chloride          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| trans-1,2-Dichloroethene    | 13.8 | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,1-Dichloroethane          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 2,2-Dichloropropane         | ND   | 2.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| cis-1,2-Dichloroethene      | 46.6 | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Chloroform                  | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Trichloroethane (TCA)       | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,1-Dichloropropene         | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Carbon tetrachloride        | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,2-Dichloroethane          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Benzene                     | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Trichloroethene (TCE)       | 17.7 | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,2-Dichloropropane         | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Bromodichloromethane        | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| cis-1,3-Dichloropropene     | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Toluene                     | 6.02 | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| trans-1,3-Dichloropropylene | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,1,2-Trichloroethane       | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,3-Dichloropropane         | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Tetrachloroethene (PCE)     | 6.00 | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Dibromochloromethane        | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Chlorobenzene               | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Ethylbenzene                | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| m,p-Xylene                  | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| o-Xylene                    | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,1,2,2-Tetrachloroethane   | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 2-Chlorotoluene             | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 4-Chlorotoluene             | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 1:58:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 11:28:00 AM

Project: Fox Ave.

Lab ID: 1305204-003

Matrix: Groundwater

Client Sample ID: R1-IW3a-12-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                     |
|-------------------------------|------|----------|--|------|---|---------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,3-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,4-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,2-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 1:58:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |  | %REC | 1 | 6/2/2013 1:58:00 PM |
| Surr: Dibromofluoromethane    | 98.2 | 72.1-122 |  | %REC | 1 | 6/2/2013 1:58:00 PM |
| Surr: Toluene-d8              | 98.6 | 62.1-129 |  | %REC | 1 | 6/2/2013 1:58:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 11:51:00 AM

Project: Fox Ave.

Lab ID: 1305204-004

Matrix: Groundwater

Client Sample ID: R1-IW4a-11-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Dissolved Gases by RSK-175

Batch ID: R8736

Analyst: BR

|         |         |         |   |      |    |                      |
|---------|---------|---------|---|------|----|----------------------|
| Methane | 1.21    | 0.0500  | D | mg/L | 10 | 6/4/2013 11:20:00 AM |
| Ethene  | 0.00881 | 0.00500 |   | mg/L | 1  | 6/4/2013 11:12:00 AM |
| Ethane  | ND      | 0.00500 |   | mg/L | 1  | 6/4/2013 11:12:00 AM |

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |       |      |   |      |    |                     |
|-----------------------------|-------|------|---|------|----|---------------------|
| Dichlorodifluoromethane     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Chloromethane               | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Vinyl chloride              | 130   | 10.0 | D | µg/L | 50 | 6/4/2013 7:45:00 PM |
| Trichlorofluoromethane      | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Chloroethane                | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 1,1-Dichloroethene          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Methylene chloride          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| trans-1,2-Dichloroethene    | 123   | 50.0 | D | µg/L | 50 | 6/4/2013 7:45:00 PM |
| 1,1-Dichloroethane          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 2,2-Dichloropropane         | ND    | 2.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| cis-1,2-Dichloroethene      | 2,030 | 50.0 | D | µg/L | 50 | 6/4/2013 7:45:00 PM |
| Chloroform                  | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Trichloroethane (TCA)       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 1,1-Dichloropropene         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Carbon tetrachloride        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 1,2-Dichloroethane          | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Benzene                     | 6.34  | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Trichloroethene (TCE)       | 36.0  | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 1,2-Dichloropropane         | 1.78  | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Bromodichloromethane        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| cis-1,3-Dichloropropene     | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Toluene                     | 17.2  | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| trans-1,3-Dichloropropylene | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 1,1,2-Trichloroethane       | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 1,3-Dichloropropane         | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Tetrachloroethene (PCE)     | 8.84  | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Dibromochloromethane        | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| Chlorobenzene               | 15.1  | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND    | 1.00 |   | µg/L | 1  | 6/2/2013 2:31:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 11:51:00 AM

Project: Fox Ave.

Lab ID: 1305204-004

Matrix: Groundwater

Client Sample ID: R1-IW4a-11-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                     |
|-------------------------------|------|----------|--|------|---|---------------------|
| Ethylbenzene                  | 11.0 | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| m,p-Xylene                    | 10.9 | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| o-Xylene                      | 8.06 | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 2-Chlorotoluene               | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 4-Chlorotoluene               | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,3-Dichlorobenzene           | 1.39 | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,4-Dichlorobenzene           | 7.34 | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,2-Dichlorobenzene           | 18.3 | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 2:31:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 105  | 66.8-124 |  | %REC | 1 | 6/2/2013 2:31:00 PM |
| Surr: Dibromofluoromethane    | 91.7 | 72.1-122 |  | %REC | 1 | 6/2/2013 2:31:00 PM |
| Surr: Toluene-d8              | 97.5 | 62.1-129 |  | %REC | 1 | 6/2/2013 2:31:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 12:14:00 PM

Project: Fox Ave.

Lab ID: 1305204-005

Matrix: Groundwater

Client Sample ID: R1-IW4b-50-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |      |      |   |      |    |                     |
|-----------------------------|------|------|---|------|----|---------------------|
| Dichlorodifluoromethane     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Chloromethane               | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Vinyl chloride              | 108  | 4.00 | D | µg/L | 20 | 6/4/2013 8:18:00 PM |
| Trichlorofluoromethane      | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Chloroethane                | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,1-Dichloroethene          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Methylene chloride          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| trans-1,2-Dichloroethene    | 21.4 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,1-Dichloroethane          | 2.80 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 2,2-Dichloropropane         | ND   | 2.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| cis-1,2-Dichloroethene      | 498  | 20.0 | D | µg/L | 20 | 6/4/2013 8:18:00 PM |
| Chloroform                  | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Trichloroethane (TCA)       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,1-Dichloropropene         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Carbon tetrachloride        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,2-Dichloroethane          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Benzene                     | 4.70 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Trichloroethene (TCE)       | 1.03 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,2-Dichloropropane         | 2.81 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Bromodichloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| cis-1,3-Dichloropropene     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Toluene                     | 7.13 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| trans-1,3-Dichloropropylene | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,1,2-Trichloroethane       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,3-Dichloropropane         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Tetrachloroethene (PCE)     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Dibromochloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Chlorobenzene               | 12.1 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| Ethylbenzene                | 2.91 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| m,p-Xylene                  | 2.20 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| o-Xylene                    | 2.45 | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 1,1,2,2-Tetrachloroethane   | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 2-Chlorotoluene             | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |
| 4-Chlorotoluene             | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:04:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 12:14:00 PM

Project: Fox Ave.

Lab ID: 1305204-005

Matrix: Groundwater

Client Sample ID: R1-IW4b-50-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                     |
|-------------------------------|------|----------|--|------|---|---------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| 1,3-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| 1,4-Dichlorobenzene           | 3.55 | 1.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| 1,2-Dichlorobenzene           | 11.3 | 1.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 3:04:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 104  | 66.8-124 |  | %REC | 1 | 6/2/2013 3:04:00 PM |
| Surr: Dibromofluoromethane    | 88.4 | 72.1-122 |  | %REC | 1 | 6/2/2013 3:04:00 PM |
| Surr: Toluene-d8              | 101  | 62.1-129 |  | %REC | 1 | 6/2/2013 3:04:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 1:19:00 PM

Project: Fox Ave.

Lab ID: 1305204-006

Matrix: Groundwater

Client Sample ID: B-61-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |      |      |   |      |    |                     |
|-----------------------------|------|------|---|------|----|---------------------|
| Dichlorodifluoromethane     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Chloromethane               | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Vinyl chloride              | 172  | 2.00 | D | µg/L | 10 | 6/4/2013 8:50:00 PM |
| Trichlorofluoromethane      | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Chloroethane                | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,1-Dichloroethene          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Methylene chloride          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| trans-1,2-Dichloroethene    | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,1-Dichloroethane          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 2,2-Dichloropropane         | ND   | 2.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| cis-1,2-Dichloroethene      | 19.8 | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Chloroform                  | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Trichloroethane (TCA)       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,1-Dichloropropene         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Carbon tetrachloride        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,2-Dichloroethane          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Benzene                     | 1.65 | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Trichloroethene (TCE)       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,2-Dichloropropane         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Bromodichloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| cis-1,3-Dichloropropene     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Toluene                     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| trans-1,3-Dichloropropylene | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,1,2-Trichloroethane       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,3-Dichloropropane         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Tetrachloroethene (PCE)     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Dibromochloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Chlorobenzene               | 3.90 | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| Ethylbenzene                | 1.02 | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| m,p-Xylene                  | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| o-Xylene                    | 1.64 | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 1,1,2,2-Tetrachloroethane   | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 2-Chlorotoluene             | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |
| 4-Chlorotoluene             | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 3:37:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 1:19:00 PM

Project: Fox Ave.

Lab ID: 1305204-006

Matrix: Groundwater

Client Sample ID: B-61-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                     |
|-------------------------------|------|----------|--|------|---|---------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| 1,3-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| 1,4-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| 1,2-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 3:37:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 105  | 66.8-124 |  | %REC | 1 | 6/2/2013 3:37:00 PM |
| Surr: Dibromofluoromethane    | 105  | 72.1-122 |  | %REC | 1 | 6/2/2013 3:37:00 PM |
| Surr: Toluene-d8              | 98.0 | 62.1-129 |  | %REC | 1 | 6/2/2013 3:37:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 1:41:00 PM

Project: Fox Ave.

Lab ID: 1305204-007

Matrix: Groundwater

Client Sample ID: B-60-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Dissolved Gases by RSK-175

Batch ID: R8736

Analyst: BR

|         |        |         |   |      |    |                      |
|---------|--------|---------|---|------|----|----------------------|
| Methane | 1.80   | 0.100   | D | mg/L | 20 | 6/4/2013 11:23:00 AM |
| Ethene  | 0.0600 | 0.00500 |   | mg/L | 1  | 6/4/2013 11:14:00 AM |
| Ethane  | 0.0112 | 0.00500 |   | mg/L | 1  | 6/4/2013 11:14:00 AM |

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |      |      |   |      |    |                     |
|-----------------------------|------|------|---|------|----|---------------------|
| Dichlorodifluoromethane     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Chloromethane               | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Vinyl chloride              | 637  | 4.00 | D | µg/L | 20 | 6/4/2013 9:22:00 PM |
| Trichlorofluoromethane      | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Chloroethane                | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,1-Dichloroethene          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Methylene chloride          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| trans-1,2-Dichloroethene    | 6.50 | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,1-Dichloroethane          | 1.99 | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 2,2-Dichloropropane         | ND   | 2.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| cis-1,2-Dichloroethene      | 49.8 | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Chloroform                  | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Trichloroethane (TCA)       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,1-Dichloropropene         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Carbon tetrachloride        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,2-Dichloroethane          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Benzene                     | 20.7 | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Trichloroethene (TCE)       | 3.05 | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,2-Dichloropropane         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Bromodichloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| cis-1,3-Dichloropropene     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Toluene                     | 105  | 20.0 | D | µg/L | 20 | 6/4/2013 9:22:00 PM |
| trans-1,3-Dichloropropylene | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,1,2-Trichloroethane       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,3-Dichloropropane         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Tetrachloroethene (PCE)     | 1.16 | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Dibromochloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Chlorobenzene               | 33.4 | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 4:10:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 1:41:00 PM

Project: Fox Ave.

Lab ID: 1305204-007

Matrix: Groundwater

Client Sample ID: B-60-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |   |      |    |                     |
|-------------------------------|------|----------|---|------|----|---------------------|
| Ethylbenzene                  | 69.4 | 20.0     | D | µg/L | 20 | 6/4/2013 9:22:00 PM |
| m,p-Xylene                    | 58.5 | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| o-Xylene                      | 36.7 | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 2-Chlorotoluene               | ND   | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 4-Chlorotoluene               | ND   | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,2,3-Trichloropropane        | ND   | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,3-Dichlorobenzene           | 6.28 | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,4-Dichlorobenzene           | 36.4 | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,2-Dichlorobenzene           | 82.2 | 20.0     | D | µg/L | 20 | 6/4/2013 9:22:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |   | µg/L | 1  | 6/2/2013 4:10:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 105  | 66.8-124 |   | %REC | 1  | 6/2/2013 4:10:00 PM |
| Surr: Dibromofluoromethane    | 97.0 | 72.1-122 |   | %REC | 1  | 6/2/2013 4:10:00 PM |
| Surr: Toluene-d8              | 102  | 62.1-129 |   | %REC | 1  | 6/2/2013 4:10:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 2:10:00 PM

Project: Fox Ave.

Lab ID: 1305204-008

Matrix: Groundwater

Client Sample ID: B-59-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R8763

Analyst: EM

|                             |      |       |  |      |   |                     |
|-----------------------------|------|-------|--|------|---|---------------------|
| Dichlorodifluoromethane     | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Chloromethane               | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Vinyl chloride              | 12.3 | 0.200 |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Trichlorofluoromethane      | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Chloroethane                | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,1-Dichloroethene          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Methylene chloride          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| trans-1,2-Dichloroethene    | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,1-Dichloroethane          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 2,2-Dichloropropane         | ND   | 2.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| cis-1,2-Dichloroethene      | 2.58 | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Chloroform                  | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Trichloroethane (TCA)       | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,1-Dichloropropene         | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Carbon tetrachloride        | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,2-Dichloroethane          | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Benzene                     | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Trichloroethene (TCE)       | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,2-Dichloropropane         | 1.19 | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Bromodichloromethane        | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| cis-1,3-Dichloropropene     | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Toluene                     | 5.70 | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| trans-1,3-Dichloropropylene | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,1,2-Trichloroethane       | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,3-Dichloropropane         | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Tetrachloroethene (PCE)     | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Dibromochloromethane        | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Chlorobenzene               | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Ethylbenzene                | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| m,p-Xylene                  | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| o-Xylene                    | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,1,2,2-Tetrachloroethane   | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 2-Chlorotoluene             | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 4-Chlorotoluene             | ND   | 1.00  |  | µg/L | 1 | 6/2/2013 4:43:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 2:10:00 PM

Project: Fox Ave.

Lab ID: 1305204-008

Matrix: Groundwater

Client Sample ID: B-59-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                     |
|-------------------------------|------|----------|--|------|---|---------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,3-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,4-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,2-Dichlorobenzene           | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 4:43:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |  | %REC | 1 | 6/2/2013 4:43:00 PM |
| Surr: Dibromofluoromethane    | 106  | 72.1-122 |  | %REC | 1 | 6/2/2013 4:43:00 PM |
| Surr: Toluene-d8              | 99.5 | 62.1-129 |  | %REC | 1 | 6/2/2013 4:43:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 2:34:00 PM

Project: Fox Ave.

Lab ID: 1305204-009

Matrix: Groundwater

Client Sample ID: B-58-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                             |      |      |   |      |    |                     |
|-----------------------------|------|------|---|------|----|---------------------|
| Dichlorodifluoromethane     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Chloromethane               | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Vinyl chloride              | 181  | 4.00 | D | µg/L | 20 | 6/4/2013 9:54:00 PM |
| Trichlorofluoromethane      | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Chloroethane                | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,1-Dichloroethene          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Methylene chloride          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| trans-1,2-Dichloroethene    | 61.4 | 20.0 | D | µg/L | 20 | 6/4/2013 9:54:00 PM |
| 1,1-Dichloroethane          | 1.27 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 2,2-Dichloropropane         | ND   | 2.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| cis-1,2-Dichloroethene      | 825  | 20.0 | D | µg/L | 20 | 6/4/2013 9:54:00 PM |
| Chloroform                  | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Trichloroethane (TCA)       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,1-Dichloropropene         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Carbon tetrachloride        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,2-Dichloroethane          | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Benzene                     | 4.73 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Trichloroethene (TCE)       | 4.38 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,2-Dichloropropane         | 3.86 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Bromodichloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| cis-1,3-Dichloropropene     | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Toluene                     | 5.87 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| trans-1,3-Dichloropropylene | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,1,2-Trichloroethane       | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,3-Dichloropropane         | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Tetrachloroethene (PCE)     | 14.4 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Dibromochloromethane        | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Chlorobenzene               | 6.83 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,1,1,2-Tetrachloroethane   | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| Ethylbenzene                | 2.96 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| m,p-Xylene                  | 3.99 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| o-Xylene                    | 3.16 | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 1,1,2,2-Tetrachloroethane   | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 2-Chlorotoluene             | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |
| 4-Chlorotoluene             | ND   | 1.00 |   | µg/L | 1  | 6/2/2013 5:17:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 2:34:00 PM

Project: Fox Ave.

Lab ID: 1305204-009

Matrix: Groundwater

Client Sample ID: B-58-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                     |
|-------------------------------|------|----------|--|------|---|---------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| 1,3-Dichlorobenzene           | 1.88 | 1.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| 1,4-Dichlorobenzene           | 6.50 | 1.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| 1,2-Dichlorobenzene           | 17.2 | 1.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 5:17:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 102  | 66.8-124 |  | %REC | 1 | 6/2/2013 5:17:00 PM |
| Surr: Dibromofluoromethane    | 92.1 | 72.1-122 |  | %REC | 1 | 6/2/2013 5:17:00 PM |
| Surr: Toluene-d8              | 98.7 | 62.1-129 |  | %REC | 1 | 6/2/2013 5:17:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 8:00:00 AM

Project: Fox Ave.

Lab ID: 1305204-010

Matrix: Groundwater

Client Sample ID: Dup1-052913

| Analyses                                             | Result | RL   | Qual | Units           | DF | Date Analyzed        |
|------------------------------------------------------|--------|------|------|-----------------|----|----------------------|
| <b>Volatile Organic Compounds by EPA Method 8260</b> |        |      |      | Batch ID: R8763 |    | Analyst: EM          |
| Dichlorodifluoromethane                              | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Chloromethane                                        | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Vinyl chloride                                       | 123    | 10.0 | D    | µg/L            | 50 | 6/4/2013 10:28:00 PM |
| Trichlorofluoromethane                               | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Chloroethane                                         | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,1-Dichloroethene                                   | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Methylene chloride                                   | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| trans-1,2-Dichloroethene                             | 116    | 50.0 | D    | µg/L            | 50 | 6/4/2013 10:28:00 PM |
| 1,1-Dichloroethane                                   | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 2,2-Dichloropropane                                  | ND     | 2.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| cis-1,2-Dichloroethene                               | 1,990  | 50.0 | D    | µg/L            | 50 | 6/4/2013 10:28:00 PM |
| Chloroform                                           | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Trichloroethane (TCA)                                | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,1-Dichloropropene                                  | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Carbon tetrachloride                                 | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,2-Dichloroethane                                   | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Benzene                                              | 6.46   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Trichloroethene (TCE)                                | 35.2   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,2-Dichloropropane                                  | 1.91   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Bromodichloromethane                                 | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| cis-1,3-Dichloropropene                              | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Toluene                                              | 17.4   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| trans-1,3-Dichloropropylene                          | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,1,2-Trichloroethane                                | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,3-Dichloropropane                                  | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Tetrachloroethene (PCE)                              | 8.75   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Dibromochloromethane                                 | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Chlorobenzene                                        | 14.9   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,1,1,2-Tetrachloroethane                            | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| Ethylbenzene                                         | 10.5   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| m,p-Xylene                                           | 10.6   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| o-Xylene                                             | 6.35   | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 1,1,2,2-Tetrachloroethane                            | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 2-Chlorotoluene                                      | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |
| 4-Chlorotoluene                                      | ND     | 1.00 |      | µg/L            | 1  | 6/2/2013 5:50:00 PM  |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1305204

Date Reported: 6/5/2013

Client: Floyd | Snider

Collection Date: 5/29/2013 8:00:00 AM

Project: Fox Ave.

Lab ID: 1305204-010

Matrix: Groundwater

Client Sample ID: Dup1-052913

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R8763

Analyst: EM

|                               |      |          |  |      |   |                     |
|-------------------------------|------|----------|--|------|---|---------------------|
| 1,2,3-Trichloropropane        | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| 1,2,4-Trichlorobenzene        | ND   | 2.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| 1,3-Dichlorobenzene           | 1.36 | 1.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| 1,4-Dichlorobenzene           | 7.22 | 1.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| 1,2-Dichlorobenzene           | 17.9 | 1.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| 1,2-Dibromo-3-chloropropane   | ND   | 1.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| Hexachlorobutadiene           | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| 1,2,3-Trichlorobenzene        | ND   | 4.00     |  | µg/L | 1 | 6/2/2013 5:50:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 104  | 66.8-124 |  | %REC | 1 | 6/2/2013 5:50:00 PM |
| Surr: Dibromofluoromethane    | 86.7 | 72.1-122 |  | %REC | 1 | 6/2/2013 5:50:00 PM |
| Surr: Toluene-d8              | 98.2 | 62.1-129 |  | %REC | 1 | 6/2/2013 5:50:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



Date: 6/5/2013

Work Order: 1305204  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Dissolved Gases by RSK-175

|                            |        |                 |           |             |      |                     |                         |             |             |               |      |
|----------------------------|--------|-----------------|-----------|-------------|------|---------------------|-------------------------|-------------|-------------|---------------|------|
| Sample ID: 1305204-007BDUP |        | SampType: DUP   |           | Units: mg/L |      | Prep Date: 6/4/2013 |                         |             | RunNo: 8736 |               |      |
| Client ID: B-60-052913     |        | Batch ID: R8736 |           |             |      |                     | Analysis Date: 6/4/2013 |             |             | SeqNo: 175213 |      |
| Analyte                    | Result | RL              | SPK value | SPK Ref Val | %REC | LowLimit            | HighLimit               | RPD Ref Val | %RPD        | RPDLimit      | Qual |

|         |        |         |  |  |  |  |  |         |      |    |   |
|---------|--------|---------|--|--|--|--|--|---------|------|----|---|
| Methane | 2.20   | 0.00500 |  |  |  |  |  | 1.960   | 11.6 | 30 | E |
| Ethene  | 0.0652 | 0.00500 |  |  |  |  |  | 0.05995 | 8.44 | 30 |   |
| Ethane  | 0.0125 | 0.00500 |  |  |  |  |  | 0.01116 | 11.1 | 30 |   |

|                             |        |                        |           |             |                                |          |                            |                      |      |                    |      |  |
|-----------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|----------------------------|----------------------|------|--------------------|------|--|
| Sample ID: <b>LCS-R8736</b> |        | SampType: <b>LCS</b>   |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>6/4/2013</b> |                      |      | RunNo: <b>8736</b> |      |  |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>R8736</b> |           |             | Analysis Date: <b>6/4/2013</b> |          |                            | SeqNo: <b>175216</b> |      |                    |      |  |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                  | RPD Ref Val          | %RPD | RPDLimit           | Qual |  |

|         |       |         |        |   |      |    |     |  |  |  |  |
|---------|-------|---------|--------|---|------|----|-----|--|--|--|--|
| Methane | 0.405 | 0.00500 | 0.5000 | 0 | 81.1 | 80 | 120 |  |  |  |  |
| Ethene  | 0.413 | 0.00500 | 0.5000 | 0 | 82.5 | 80 | 120 |  |  |  |  |
| Ethane  | 0.414 | 0.00500 | 0.5000 | 0 | 82.7 | 80 | 120 |  |  |  |  |

|                            |                        |                    |           |             |                                |          |           |                      |      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|--------------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>MB-R8736</b> | SampType: <b>MBLK</b>  | Units: <b>mg/L</b> |           |             | Prep Date: <b>6/4/2013</b>     |          |           | RunNo: <b>8736</b>   |      |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R8736</b> |                    |           |             | Analysis Date: <b>6/4/2013</b> |          |           | SeqNo: <b>175217</b> |      |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |

|         |    |         |  |  |  |  |  |  |  |  |  |
|---------|----|---------|--|--|--|--|--|--|--|--|--|
| Methane | ND | 0.00500 |  |  |  |  |  |  |  |  |  |
| Ethene  | ND | 0.00500 |  |  |  |  |  |  |  |  |  |
| Ethane  | ND | 0.00500 |  |  |  |  |  |  |  |  |  |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 6/5/2013

**Work Order:** 1305204  
**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

|                             |        |                 |           |             |      |                         |           |             |               |          |      |
|-----------------------------|--------|-----------------|-----------|-------------|------|-------------------------|-----------|-------------|---------------|----------|------|
| Sample ID: 1305204-001ADUP  |        | SampType: DUP   |           | Units: µg/L |      | Prep Date: 6/2/2013     |           |             | RunNo: 8763   |          |      |
| Client ID: R2-IW1-17-052913 |        | Batch ID: R8763 |           |             |      | Analysis Date: 6/2/2013 |           |             | SeqNo: 175759 |          |      |
| Analyte                     | Result | RL              | SPK value | SPK Ref Val | %REC | LowLimit                | HighLimit | RPD Ref Val | %RPD          | RPDLimit | Qual |
| Dichlorodifluoromethane     | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Chloromethane               | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Vinyl chloride              | 1,870  | 0.200           |           |             |      |                         |           | 2,090       | 11.1          | 30       | E    |
| Trichlorofluoromethane      | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Chloroethane                | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| 1,1-Dichloroethene          | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Methylene chloride          | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| trans-1,2-Dichloroethene    | 11.7   | 1.00            |           |             |      |                         |           | 3.610       | 106           | 30       | R    |
| 1,1-Dichloroethane          | 1.47   | 1.00            |           |             |      |                         |           | 1.630       | 10.3          | 30       |      |
| 2,2-Dichloropropane         | ND     | 2.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| cis-1,2-Dichloroethene      | 948    | 1.00            |           |             |      |                         |           | 995.5       | 4.89          | 30       | E    |
| Chloroform                  | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Trichloroethane (TCA)       | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| 1,1-Dichloropropene         | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Carbon tetrachloride        | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| 1,2-Dichloroethane          | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Benzene                     | 2.56   | 1.00            |           |             |      |                         |           | 2.570       | 0.390         | 30       |      |
| Trichloroethene (TCE)       | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| 1,2-Dichloropropane         | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Bromodichloromethane        | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| cis-1,3-Dichloropropene     | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Toluene                     | 3.33   | 1.00            |           |             |      |                         |           | 3.320       | 0.301         | 30       |      |
| trans-1,3-Dichloropropylene | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| 1,1,2-Trichloroethane       | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| 1,3-Dichloropropane         | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Tetrachloroethene (PCE)     | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Dibromochloromethane        | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| Chlorobenzene               | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |
| 1,1,1,2-Tetrachloroethane   | ND     | 1.00            |           |             |      |                         |           | 0           | 0             | 30       |      |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 6/5/2013

**Work Order:** 1305204  
**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

|                               |        |                 |           |             |      |                     |                         |             |             |               |      |
|-------------------------------|--------|-----------------|-----------|-------------|------|---------------------|-------------------------|-------------|-------------|---------------|------|
| Sample ID: 1305204-001ADUP    |        | SampType: DUP   |           | Units: µg/L |      | Prep Date: 6/2/2013 |                         |             | RunNo: 8763 |               |      |
| Client ID: R2-IW1-17-052913   |        | Batch ID: R8763 |           |             |      |                     | Analysis Date: 6/2/2013 |             |             | SeqNo: 175759 |      |
| Analyte                       | Result | RL              | SPK value | SPK Ref Val | %REC | LowLimit            | HighLimit               | RPD Ref Val | %RPD        | RPDLimit      | Qual |
| Ethylbenzene                  | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| m,p-Xylene                    | 1.20   | 1.00            |           |             |      |                     |                         | 1.130       | 6.01        | 30            |      |
| o-Xylene                      | 2.88   | 1.00            |           |             |      |                     |                         | 2.700       | 6.45        | 30            |      |
| 1,1,2,2-Tetrachloroethane     | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 2-Chlorotoluene               | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 4-Chlorotoluene               | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 1,2,3-Trichloropropane        | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 1,2,4-Trichlorobenzene        | ND     | 2.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 1,3-Dichlorobenzene           | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 1,4-Dichlorobenzene           | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 1,2-Dichlorobenzene           | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 1,2-Dibromo-3-chloropropane   | ND     | 1.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| Hexachlorobutadiene           | ND     | 4.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| 1,2,3-Trichlorobenzene        | ND     | 4.00            |           |             |      |                     |                         | 0           | 0           | 30            |      |
| Surr: Dibromofluoromethane    | 46.3   |                 | 50.00     |             | 92.6 | 72.1                | 122                     |             | 0           |               |      |
| Surr: Toluene-d8              | 51.6   |                 | 50.00     |             | 103  | 62.1                | 129                     |             | 0           |               |      |
| Surr: 1-Bromo-4-fluorobenzene | 49.9   |                 | 50.00     |             | 99.8 | 66.8                | 124                     |             | 0           |               |      |

**NOTES:**

R - High RPD due to suspected sample inhomogeneity. Separate sample vials were used for the Sample and Duplicate.

|                                    |        |                        |           |                                |       |                            |                      |             |                    |          |      |
|------------------------------------|--------|------------------------|-----------|--------------------------------|-------|----------------------------|----------------------|-------------|--------------------|----------|------|
| Sample ID: <b>1305204-002AMS</b>   |        | SampType: <b>MS</b>    |           | Units: <b>µg/L</b>             |       | Prep Date: <b>6/2/2013</b> |                      |             | RunNo: <b>8763</b> |          |      |
| Client ID: <b>R2-IW1-45-052913</b> |        | Batch ID: <b>R8763</b> |           | Analysis Date: <b>6/2/2013</b> |       |                            | SeqNo: <b>175762</b> |             |                    |          |      |
| Analyte                            | Result | RL                     | SPK value | SPK Ref Val                    | %REC  | LowLimit                   | HighLimit            | RPD Ref Val | %RPD               | RPDLimit | Qual |
| Dichlorodifluoromethane            | 18.1   | 1.00                   | 20.00     | 0                              | 90.7  | 33.3                       | 122                  |             |                    |          |      |
| Chloromethane                      | 23.5   | 1.00                   | 20.00     | 0                              | 117   | 48.2                       | 145                  |             |                    |          |      |
| Vinyl chloride                     | 1,590  | 0.200                  | 20.00     | 1,774                          | -913  | 45.6                       | 149                  |             |                    |          | SE   |
| Trichlorofluoromethane             | 15.9   | 1.00                   | 20.00     | 0                              | 79.4  | 54.7                       | 138                  |             |                    |          |      |
| Chloroethane                       | 1,660  | 1.00                   | 20.00     | 0                              | 8,320 | 52.7                       | 140                  |             |                    |          | S    |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 6/5/2013

**Work Order:** 1305204  
**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

| Sample ID: 1305204-002AMS   | SampType: MS    | Units: µg/L             |           |             |      | Prep Date: 6/2/2013 |           |             | RunNo: 8763   |          |      |
|-----------------------------|-----------------|-------------------------|-----------|-------------|------|---------------------|-----------|-------------|---------------|----------|------|
| Client ID: R2-IW1-45-052913 | Batch ID: R8763 | Analysis Date: 6/2/2013 |           |             |      |                     |           |             | SeqNo: 175762 |          |      |
| Analyte                     | Result          | RL                      | SPK value | SPK Ref Val | %REC | LowLimit            | HighLimit | RPD Ref Val | %RPD          | RPDLimit | Qual |
| 1,1-Dichloroethene          | 22.0            | 1.00                    | 20.00     | 0           | 110  | 58.2                | 146       |             |               |          |      |
| Methylene chloride          | 19.7            | 1.00                    | 20.00     | 0           | 98.4 | 65.1                | 127       |             |               |          |      |
| trans-1,2-Dichloroethene    | 35.2            | 1.00                    | 20.00     | 17.46       | 88.5 | 69                  | 132       |             |               |          |      |
| 1,1-Dichloroethane          | 19.8            | 1.00                    | 20.00     | 1.430       | 91.9 | 74.7                | 133       |             |               |          |      |
| 2,2-Dichloropropane         | 14.3            | 2.00                    | 20.00     | 0           | 71.3 | 31.5                | 121       |             |               |          |      |
| cis-1,2-Dichloroethene      | 871             | 1.00                    | 20.00     | 913.3       | -212 | 67.1                | 123       |             |               |          | SE   |
| Chloroform                  | 21.0            | 1.00                    | 20.00     | 0           | 105  | 58.6                | 123       |             |               |          |      |
| Trichloroethane (TCA)       | 18.0            | 1.00                    | 20.00     | 0           | 90.0 | 64.2                | 146       |             |               |          |      |
| 1,1-Dichloropropene         | 21.1            | 1.00                    | 20.00     | 0           | 105  | 73.8                | 136       |             |               |          |      |
| Carbon tetrachloride        | 13.4            | 1.00                    | 20.00     | 0           | 67.2 | 69.2                | 141       |             |               |          | S    |
| 1,2-Dichloroethane          | 17.8            | 1.00                    | 20.00     | 0           | 89.0 | 62.3                | 130       |             |               |          |      |
| Benzene                     | 23.4            | 1.00                    | 20.00     | 2.620       | 104  | 68.7                | 132       |             |               |          |      |
| Trichloroethene (TCE)       | 12.8            | 1.00                    | 20.00     | 0           | 63.8 | 65.7                | 133       |             |               |          | S    |
| 1,2-Dichloropropane         | 21.2            | 1.00                    | 20.00     | 0           | 106  | 70                  | 130       |             |               |          |      |
| Bromodichloromethane        | 16.2            | 1.00                    | 20.00     | 0           | 81.0 | 59.4                | 139       |             |               |          |      |
| cis-1,3-Dichloropropene     | 17.9            | 1.00                    | 20.00     | 0           | 89.6 | 63.3                | 124       |             |               |          |      |
| Toluene                     | 24.2            | 1.00                    | 20.00     | 3.410       | 104  | 68.4                | 133       |             |               |          |      |
| trans-1,3-Dichloropropylene | 17.2            | 1.00                    | 20.00     | 0           | 86.2 | 57.7                | 125       |             |               |          |      |
| 1,1,2-Trichloroethane       | 20.6            | 1.00                    | 20.00     | 0           | 103  | 59.4                | 127       |             |               |          |      |
| 1,3-Dichloropropane         | 19.8            | 1.00                    | 20.00     | 0           | 99.0 | 68.2                | 134       |             |               |          |      |
| Tetrachloroethene (PCE)     | 20.8            | 1.00                    | 20.00     | 0           | 104  | 51.5                | 109       |             |               |          |      |
| Dibromochloromethane        | 18.4            | 1.00                    | 20.00     | 0           | 92.1 | 66.2                | 138       |             |               |          |      |
| Chlorobenzene               | 19.9            | 1.00                    | 20.00     | 0           | 99.7 | 68.9                | 128       |             |               |          |      |
| 1,1,1,2-Tetrachloroethane   | 18.6            | 1.00                    | 20.00     | 0           | 92.8 | 67.3                | 135       |             |               |          |      |
| Ethylbenzene                | 20.9            | 1.00                    | 20.00     | 0.8700      | 100  | 67.3                | 135       |             |               |          |      |
| m,p-Xylene                  | 41.9            | 1.00                    | 40.00     | 1.160       | 102  | 63.3                | 135       |             |               |          |      |
| o-Xylene                    | 22.9            | 1.00                    | 20.00     | 2.620       | 101  | 67.8                | 131       |             |               |          |      |
| 1,1,2,2-Tetrachloroethane   | 21.9            | 1.00                    | 20.00     | 0           | 109  | 59.1                | 137       |             |               |          |      |
| 2-Chlorotoluene             | 20.1            | 1.00                    | 20.00     | 0           | 101  | 63.4                | 134       |             |               |          |      |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 6/5/2013

Work Order: 1305204  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

|                               |                 |             |           |             |                         |          |           |               |      |          |      |
|-------------------------------|-----------------|-------------|-----------|-------------|-------------------------|----------|-----------|---------------|------|----------|------|
| Sample ID: 1305204-002AMS     | SampType: MS    | Units: µg/L |           |             | Prep Date: 6/2/2013     |          |           | RunNo: 8763   |      |          |      |
| Client ID: R2-IW1-45-052913   | Batch ID: R8763 |             |           |             | Analysis Date: 6/2/2013 |          |           | SeqNo: 175762 |      |          |      |
| Analyte                       | Result          | RL          | SPK value | SPK Ref Val | %REC                    | LowLimit | HighLimit | RPD Ref Val   | %RPD | RPDLimit | Qual |
| 4-Chlorotoluene               | 20.0            | 1.00        | 20.00     | 0           | 100                     | 58.4     | 134       |               |      |          |      |
| 1,2,3-Trichloropropane        | 19.0            | 1.00        | 20.00     | 0           | 95.0                    | 62.4     | 129       |               |      |          |      |
| 1,2,4-Trichlorobenzene        | 20.3            | 2.00        | 20.00     | 0           | 102                     | 53.7     | 120       |               |      |          |      |
| 1,3-Dichlorobenzene           | 21.1            | 1.00        | 20.00     | 0           | 105                     | 58.2     | 128       |               |      |          |      |
| 1,4-Dichlorobenzene           | 20.9            | 1.00        | 20.00     | 0           | 104                     | 60.1     | 123       |               |      |          |      |
| 1,2-Dichlorobenzene           | 21.1            | 1.00        | 20.00     | 0           | 106                     | 62.6     | 124       |               |      |          |      |
| 1,2-Dibromo-3-chloropropane   | 20.3            | 1.00        | 20.00     | 0           | 102                     | 51.8     | 142       |               |      |          |      |
| Hexachlorobutadiene           | 20.8            | 4.00        | 20.00     | 0           | 104                     | 62.1     | 121       |               |      |          |      |
| 1,2,3-Trichlorobenzene        | 22.3            | 4.00        | 20.00     | 0           | 111                     | 50.7     | 113       |               |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.8            |             | 50.00     |             | 102                     | 66.8     | 124       |               |      |          |      |
| Surr: Dibromofluoromethane    | 44.0            |             | 50.00     |             | 87.9                    | 72.1     | 122       |               |      |          |      |
| Surr: Toluene-d8              | 51.2            |             | 50.00     |             | 102                     | 62.1     | 129       |               |      |          |      |

**NOTES:**

S - Outlying QC recoveries were associated with this sample. Suspected matrix interference. The method is in control as indicated by the LCS.

| Sample ID: <b>CCV-R8763</b>   | SampType: <b>CCV</b>   | Units: <b>µg/L</b>             |           |             |      | Prep Date: <b>6/4/2013</b> |           |                      | RunNo: <b>8763</b> |          |      |
|-------------------------------|------------------------|--------------------------------|-----------|-------------|------|----------------------------|-----------|----------------------|--------------------|----------|------|
| Client ID: <b>CCV</b>         | Batch ID: <b>R8763</b> | Analysis Date: <b>6/4/2013</b> |           |             |      |                            |           | SeqNo: <b>175775</b> |                    |          |      |
| Analyte                       | Result                 | RL                             | SPK value | SPK Ref Val | %REC | LowLimit                   | HighLimit | RPD Ref Val          | %RPD               | RPDLimit | Qual |
| Vinyl chloride                | 21.5                   | 0.200                          | 20.00     | 0           | 108  | 80                         | 120       |                      |                    |          |      |
| trans-1,2-Dichloroethene      | 19.8                   | 1.00                           | 20.00     | 0           | 98.8 | 80                         | 120       |                      |                    |          |      |
| cis-1,2-Dichloroethene        | 21.8                   | 1.00                           | 20.00     | 0           | 109  | 80                         | 120       |                      |                    |          |      |
| Toluene                       | 20.7                   | 1.00                           | 20.00     | 0           | 103  | 80                         | 120       |                      |                    |          |      |
| Ethylbenzene                  | 20.0                   | 1.00                           | 20.00     | 0           | 100  | 80                         | 120       |                      |                    |          |      |
| 1,2-Dichlorobenzene           | 21.2                   | 1.00                           | 20.00     | 0           | 106  | 80                         | 120       |                      |                    |          |      |
| Surr: Dibromofluoromethane    | 52.6                   |                                | 50.00     |             | 105  | 72.1                       | 122       |                      |                    |          |      |
| Surr: Toluene-d8              | 50.1                   |                                | 50.00     |             | 100  | 62.1                       | 129       |                      |                    |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.8                   |                                | 50.00     |             | 102  | 66.8                       | 124       |                      |                    |          |      |

**Qualifiers:**

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

D Dilution was required  
J Analyte detected below quantitation limits  
RL Reporting Limit

E Value above quantitation range  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



Date: 6/5/2013

**Work Order:** 1305204  
**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

| Sample ID: <b>LCS-R8763</b> | SampType: <b>LCS</b>   | Units: <b>µg/L</b>             |           |             |      | Prep Date: <b>6/2/2013</b> |           |                      | RunNo: <b>8763</b> |          |      |
|-----------------------------|------------------------|--------------------------------|-----------|-------------|------|----------------------------|-----------|----------------------|--------------------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R8763</b> | Analysis Date: <b>6/2/2013</b> |           |             |      |                            |           | SeqNo: <b>175778</b> |                    |          |      |
| Analyte                     | Result                 | RL                             | SPK value | SPK Ref Val | %REC | LowLimit                   | HighLimit | RPD Ref Val          | %RPD               | RPDLimit | Qual |
| Dichlorodifluoromethane     | 20.1                   | 1.00                           | 20.00     | 0           | 101  | 43.1                       | 127       |                      |                    |          |      |
| Chloromethane               | 17.4                   | 1.00                           | 20.00     | 0           | 87.0 | 42.5                       | 131       |                      |                    |          |      |
| Vinyl chloride              | 21.3                   | 0.200                          | 20.00     | 0           | 107  | 56.2                       | 130       |                      |                    |          |      |
| Trichlorofluoromethane      | 20.7                   | 1.00                           | 20.00     | 0           | 103  | 64.7                       | 129       |                      |                    |          |      |
| Chloroethane                | 21.4                   | 1.00                           | 20.00     | 0           | 107  | 62.5                       | 123       |                      |                    |          |      |
| 1,1-Dichloroethene          | 21.1                   | 1.00                           | 20.00     | 0           | 106  | 60.7                       | 146       |                      |                    |          |      |
| Methylene chloride          | 20.8                   | 1.00                           | 20.00     | 0           | 104  | 60.3                       | 135       |                      |                    |          |      |
| trans-1,2-Dichloroethene    | 20.5                   | 1.00                           | 20.00     | 0           | 103  | 71.3                       | 129       |                      |                    |          |      |
| 1,1-Dichloroethane          | 21.0                   | 1.00                           | 20.00     | 0           | 105  | 71.3                       | 129       |                      |                    |          |      |
| 2,2-Dichloropropane         | 17.1                   | 2.00                           | 20.00     | 0           | 85.4 | 37.8                       | 132       |                      |                    |          |      |
| cis-1,2-Dichloroethene      | 20.9                   | 1.00                           | 20.00     | 0           | 104  | 67.5                       | 127       |                      |                    |          |      |
| Chloroform                  | 20.6                   | 1.00                           | 20.00     | 0           | 103  | 70.3                       | 123       |                      |                    |          |      |
| Trichloroethane (TCA)       | 20.6                   | 1.00                           | 20.00     | 0           | 103  | 67.9                       | 134       |                      |                    |          |      |
| 1,1-Dichloropropene         | 20.9                   | 1.00                           | 20.00     | 0           | 105  | 72.1                       | 133       |                      |                    |          |      |
| Carbon tetrachloride        | 21.1                   | 1.00                           | 20.00     | 0           | 105  | 68                         | 136       |                      |                    |          |      |
| 1,2-Dichloroethane          | 20.3                   | 1.00                           | 20.00     | 0           | 102  | 65.8                       | 126       |                      |                    |          |      |
| Benzene                     | 20.9                   | 1.00                           | 20.00     | 0           | 104  | 75.2                       | 124       |                      |                    |          |      |
| Trichloroethene (TCE)       | 20.6                   | 1.00                           | 20.00     | 0           | 103  | 71.9                       | 130       |                      |                    |          |      |
| 1,2-Dichloropropane         | 20.6                   | 1.00                           | 20.00     | 0           | 103  | 71.9                       | 131       |                      |                    |          |      |
| Bromodichloromethane        | 21.0                   | 1.00                           | 20.00     | 0           | 105  | 70                         | 130       |                      |                    |          |      |
| cis-1,3-Dichloropropene     | 19.8                   | 1.00                           | 20.00     | 0           | 98.8 | 62.8                       | 135       |                      |                    |          |      |
| Toluene                     | 21.4                   | 1.00                           | 20.00     | 0           | 107  | 75.2                       | 129       |                      |                    |          |      |
| trans-1,3-Dichloropropylene | 19.6                   | 1.00                           | 20.00     | 0           | 98.1 | 58.1                       | 138       |                      |                    |          |      |
| 1,1,2-Trichloroethane       | 20.8                   | 1.00                           | 20.00     | 0           | 104  | 65.4                       | 128       |                      |                    |          |      |
| 1,3-Dichloropropane         | 20.4                   | 1.00                           | 20.00     | 0           | 102  | 71.9                       | 131       |                      |                    |          |      |
| Tetrachloroethene (PCE)     | 21.2                   | 1.00                           | 20.00     | 0           | 106  | 52.4                       | 140       |                      |                    |          |      |
| Dibromochloromethane        | 20.8                   | 1.00                           | 20.00     | 0           | 104  | 68.7                       | 139       |                      |                    |          |      |
| Chlorobenzene               | 21.1                   | 1.00                           | 20.00     | 0           | 106  | 77.2                       | 122       |                      |                    |          |      |
| 1,1,1,2-Tetrachloroethane   | 21.3                   | 1.00                           | 20.00     | 0           | 106  | 76.2                       | 130       |                      |                    |          |      |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 6/5/2013

Work Order: 1305204  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>LCS-R8763</b>   | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>6/2/2013</b>     |           |             | RunNo: <b>8763</b>   |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|------|--------------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>LCSW</b>        | Batch ID: <b>R8763</b> |                    |           |             |      | Analysis Date: <b>6/2/2013</b> |           |             | SeqNo: <b>175778</b> |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                       | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Ethylbenzene                  | 20.7                   | 1.00               | 20.00     | 0           | 104  | 78                             | 127       |             |                      |          |      |
| m,p-Xylene                    | 43.0                   | 1.00               | 40.00     | 0           | 108  | 77.5                           | 130       |             |                      |          |      |
| o-Xylene                      | 21.9                   | 1.00               | 20.00     | 0           | 110  | 77.6                           | 126       |             |                      |          |      |
| 1,1,2,2-Tetrachloroethane     | 20.9                   | 1.00               | 20.00     | 0           | 104  | 68                             | 134       |             |                      |          |      |
| 2-Chlorotoluene               | 20.9                   | 1.00               | 20.00     | 0           | 105  | 67.1                           | 137       |             |                      |          |      |
| 4-Chlorotoluene               | 21.2                   | 1.00               | 20.00     | 0           | 106  | 70.7                           | 132       |             |                      |          |      |
| 1,2,3-Trichloropropane        | 19.9                   | 1.00               | 20.00     | 0           | 99.4 | 70.8                           | 132       |             |                      |          |      |
| 1,2,4-Trichlorobenzene        | 21.6                   | 2.00               | 20.00     | 0           | 108  | 61.4                           | 139       |             |                      |          |      |
| 1,3-Dichlorobenzene           | 22.0                   | 1.00               | 20.00     | 0           | 110  | 73.5                           | 125       |             |                      |          |      |
| 1,4-Dichlorobenzene           | 22.0                   | 1.00               | 20.00     | 0           | 110  | 71.4                           | 125       |             |                      |          |      |
| 1,2-Dichlorobenzene           | 22.3                   | 1.00               | 20.00     | 0           | 112  | 74.2                           | 123       |             |                      |          |      |
| 1,2-Dibromo-3-chloropropane   | 21.2                   | 1.00               | 20.00     | 0           | 106  | 66.1                           | 138       |             |                      |          |      |
| Hexachlorobutadiene           | 21.4                   | 4.00               | 20.00     | 0           | 107  | 60.9                           | 141       |             |                      |          |      |
| 1,2,3-Trichlorobenzene        | 21.5                   | 4.00               | 20.00     | 0           | 108  | 61.3                           | 133       |             |                      |          |      |
| Surr: Dibromofluoromethane    | 47.7                   |                    | 50.00     |             | 95.5 | 72.1                           | 122       |             |                      |          |      |
| Surr: Toluene-d8              | 50.0                   |                    | 50.00     |             | 100  | 62.1                           | 129       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.4                   |                    | 50.00     |             | 101  | 66.8                           | 124       |             |                      |          |      |

|                            |                        |                    |           |             |      |                                |           |             |                      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|------|--------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>MB-R8763</b> | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>6/2/2013</b>     |           |             | RunNo: <b>8763</b>   |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R8763</b> |                    |           |             |      | Analysis Date: <b>6/2/2013</b> |           |             | SeqNo: <b>175779</b> |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                       | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Dichlorodifluoromethane    | ND                     | 1.00               |           |             |      |                                |           |             |                      |          |      |
| Chloromethane              | ND                     | 1.00               |           |             |      |                                |           |             |                      |          |      |
| Vinyl chloride             | ND                     | 0.200              |           |             |      |                                |           |             |                      |          |      |
| Trichlorofluoromethane     | ND                     | 1.00               |           |             |      |                                |           |             |                      |          |      |
| Chloroethane               | ND                     | 1.00               |           |             |      |                                |           |             |                      |          |      |
| 1,1-Dichloroethene         | ND                     | 1.00               |           |             |      |                                |           |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 6/5/2013

Work Order: 1305204  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                            |        |                        |           |                    |      |                            |                                |             |                    |                      |      |
|----------------------------|--------|------------------------|-----------|--------------------|------|----------------------------|--------------------------------|-------------|--------------------|----------------------|------|
| Sample ID: <b>MB-R8763</b> |        | SampType: <b>MBLK</b>  |           | Units: <b>µg/L</b> |      | Prep Date: <b>6/2/2013</b> |                                |             | RunNo: <b>8763</b> |                      |      |
| Client ID: <b>MBLKW</b>    |        | Batch ID: <b>R8763</b> |           |                    |      |                            | Analysis Date: <b>6/2/2013</b> |             |                    | SeqNo: <b>175779</b> |      |
| Analyte                    | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                   | HighLimit                      | RPD Ref Val | %RPD               | RPDLimit             | Qual |

|                             |    |      |
|-----------------------------|----|------|
| Methylene chloride          | ND | 1.00 |
| trans-1,2-Dichloroethene    | ND | 1.00 |
| 1,1-Dichloroethane          | ND | 1.00 |
| 2,2-Dichloropropane         | ND | 2.00 |
| cis-1,2-Dichloroethene      | ND | 1.00 |
| Chloroform                  | ND | 1.00 |
| Trichloroethane (TCA)       | ND | 1.00 |
| 1,1-Dichloropropene         | ND | 1.00 |
| Carbon tetrachloride        | ND | 1.00 |
| 1,2-Dichloroethane          | ND | 1.00 |
| Benzene                     | ND | 1.00 |
| Trichloroethene (TCE)       | ND | 1.00 |
| 1,2-Dichloropropane         | ND | 1.00 |
| Bromodichloromethane        | ND | 1.00 |
| cis-1,3-Dichloropropene     | ND | 1.00 |
| Toluene                     | ND | 1.00 |
| trans-1,3-Dichloropropylene | ND | 1.00 |
| 1,1,2-Trichloroethane       | ND | 1.00 |
| 1,3-Dichloropropane         | ND | 1.00 |
| Tetrachloroethene (PCE)     | ND | 1.00 |
| Dibromochloromethane        | ND | 1.00 |
| Chlorobenzene               | ND | 1.00 |
| 1,1,1,2-Tetrachloroethane   | ND | 1.00 |
| Ethylbenzene                | ND | 1.00 |
| m,p-Xylene                  | ND | 1.00 |
| o-Xylene                    | ND | 1.00 |
| 1,1,2,2-Tetrachloroethane   | ND | 1.00 |
| 2-Chlorotoluene             | ND | 1.00 |
| 4-Chlorotoluene             | ND | 1.00 |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 6/5/2013

Work Order: 1305204  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>MB-R8763</b>    | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             | Prep Date: <b>6/2/2013</b>     |          |           | RunNo: <b>8763</b>   |      |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|--------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>       | Batch ID: <b>R8763</b> |                    |           |             | Analysis Date: <b>6/2/2013</b> |          |           | SeqNo: <b>175779</b> |      |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| 1,2,3-Trichloropropane        | ND                     | 1.00               |           |             |                                |          |           |                      |      |          |      |
| 1,2,4-Trichlorobenzene        | ND                     | 2.00               |           |             |                                |          |           |                      |      |          |      |
| 1,3-Dichlorobenzene           | ND                     | 1.00               |           |             |                                |          |           |                      |      |          |      |
| 1,4-Dichlorobenzene           | ND                     | 1.00               |           |             |                                |          |           |                      |      |          |      |
| 1,2-Dichlorobenzene           | ND                     | 1.00               |           |             |                                |          |           |                      |      |          |      |
| 1,2-Dibromo-3-chloropropane   | ND                     | 1.00               |           |             |                                |          |           |                      |      |          |      |
| Hexachlorobutadiene           | ND                     | 4.00               |           |             |                                |          |           |                      |      |          |      |
| 1,2,3-Trichlorobenzene        | ND                     | 4.00               |           |             |                                |          |           |                      |      |          |      |
| Surr: Dibromofluoromethane    | 50.3                   |                    | 50.00     |             | 101                            | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8              | 49.4                   |                    | 50.00     |             | 98.7                           | 62.1     | 129       |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 51.0                   |                    | 50.00     |             | 102                            | 66.8     | 124       |                      |      |          |      |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |

Client Name: **FS**

 Work Order Number: **1305204**

 Logged by: **Clare Griggs**

 Date Received: **5/29/2013 3:16:00 PM**

## Chain of Custody

1. Were custodial seals present? Yes ☐ No ☐ Not Required ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Client

## Log In

4. Coolers are present? Yes ☒ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. Is there headspace present in VOA vials? Yes ☐ No ☒ NA ☐
12. Did all sample containers arrive in good condition?(unbroken) Yes ☒ No ☐
13. Does paperwork match bottle labels? Yes ☒ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met? Yes ☒ No ☐

## Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |                      |       |                                                                                                                               |
|----------------------|----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|
| Person Notified:     | <input type="text"/> | Date: | <input type="text"/>                                                                                                          |
| By Whom:             | <input type="text"/> | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <input type="text"/> |       |                                                                                                                               |
| Client Instructions: | <input type="text"/> |       |                                                                                                                               |

18. Additional remarks/Discrepancies

## Item Information

| Item #     | Temp °C | Condition |
|------------|---------|-----------|
| Cooler     | 7.9     | Good      |
| Temp Blank | 8.3     | Good      |





3600 Fremont Ave. N.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Floyd | Snider**  
Tom Colligan  
601 Union St., Suite 600  
Seattle, Washington 98101

**RE: Fox Ave.**  
**Lab ID: 1307152**

July 30, 2013

**Attention Tom Colligan:**

Fremont Analytical, Inc. received 22 sample(s) on 7/23/2013 for the analyses presented in the following report.

***Dissolved Gases by RSK-175***  
***Total Organic Carbon by SM 5310C***  
***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Justin Neste  
Tom McKeon

**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.  
**Lab Order:** 1307152

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID  | Date/Time Collected | Date/Time Received |
|---------------|-------------------|---------------------|--------------------|
| 1307152-001   | MW-5-072213       | 07/22/2013 8:36 AM  | 07/23/2013 3:41 PM |
| 1307152-002   | MW-6-072213       | 07/22/2013 9:12 AM  | 07/23/2013 3:41 PM |
| 1307152-003   | B-33a-072213      | 07/22/2013 9:48 AM  | 07/23/2013 3:41 PM |
| 1307152-004   | B-34-072213       | 07/22/2013 10:16 AM | 07/23/2013 3:41 PM |
| 1307152-005   | B-65-072213       | 07/22/2013 10:58 AM | 07/23/2013 3:41 PM |
| 1307152-006   | B-64-072213       | 07/22/2013 11:35 AM | 07/23/2013 3:41 PM |
| 1307152-007   | B-61-072213       | 07/22/2013 2:04 PM  | 07/23/2013 3:41 PM |
| 1307152-008   | B-60-072213       | 07/22/2013 2:29 PM  | 07/23/2013 3:41 PM |
| 1307152-009   | B-58-072213       | 07/22/2013 3:05 PM  | 07/23/2013 3:41 PM |
| 1307152-010   | RI-IW9-11-072313  | 07/23/2013 8:36 AM  | 07/23/2013 3:41 PM |
| 1307152-011   | NW1-2-072313      | 07/23/2013 9:33 AM  | 07/23/2013 3:41 PM |
| 1307152-012   | RI-IW10-11-072313 | 07/23/2013 10:17 AM | 07/23/2013 3:41 PM |
| 1307152-013   | RI-IW11-12-072313 | 07/23/2013 11:17 AM | 07/23/2013 3:41 PM |
| 1307152-014   | SP-01-072313      | 07/23/2013 12:23 PM | 07/23/2013 3:41 PM |
| 1307152-015   | SP-02-072313      | 07/23/2013 12:28 PM | 07/23/2013 3:41 PM |
| 1307152-016   | SP-03-072313      | 07/23/2013 12:41 PM | 07/23/2013 3:41 PM |
| 1307152-017   | SP-04-072313      | 07/23/2013 12:48 PM | 07/23/2013 3:41 PM |
| 1307152-018   | NW1-1-072313      | 07/23/2013 1:37 PM  | 07/23/2013 3:41 PM |
| 1307152-019   | RI-IW13-12-072313 | 07/23/2013 2:18 PM  | 07/23/2013 3:41 PM |
| 1307152-020   | DUP1-072213       | 07/22/2013 8:00 AM  | 07/23/2013 3:41 PM |
| 1307152-021   | DUP2-072313       | 07/23/2013 8:00 AM  | 07/23/2013 3:41 PM |
| 1307152-022   | Trip Blank        | 07/18/2013 5:20 PM  | 07/23/2013 3:41 PM |

---

**CLIENT:** Floyd | Snider**Project:** Fox Ave.

---

**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 8:36:00 AM

Project: Fox Ave.

Lab ID: 1307152-001

Matrix: Water

Client Sample ID: MW-5-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9367

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | ND   | 0.200    |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| cis-1,2-Dichloroethene        | 2.85 | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Tetrachloroethene (PCE)       | 8.04 | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 4:55:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 99.2 | 66.8-124 |  | %REC | 1 | 7/25/2013 4:55:00 PM |
| Surr: Dibromofluoromethane    | 102  | 72.1-122 |  | %REC | 1 | 7/25/2013 4:55:00 PM |
| Surr: Toluene-d8              | 101  | 62.1-129 |  | %REC | 1 | 7/25/2013 4:55:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 9:12:00 AM

Project: Fox Ave.

Lab ID: 1307152-002

Matrix: Water

Client Sample ID: MW-6-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9367

Analyst: EM

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | ND   | 0.200    |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| trans-1,2-Dichloroethene      | 1.81 | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| cis-1,2-Dichloroethene        | 97.0 | 10.0     | D | µg/L | 10 | 7/27/2013 12:47:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| Trichloroethene (TCE)         | 61.9 | 10.0     | D | µg/L | 10 | 7/27/2013 12:47:00 AM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| Tetrachloroethene (PCE)       | 140  | 10.0     | D | µg/L | 10 | 7/27/2013 12:47:00 AM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 5:48:00 PM  |
| Surr: 1-Bromo-4-fluorobenzene | 99.6 | 66.8-124 |   | %REC | 1  | 7/25/2013 5:48:00 PM  |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |   | %REC | 1  | 7/25/2013 5:48:00 PM  |
| Surr: Toluene-d8              | 99.3 | 62.1-129 |   | %REC | 1  | 7/25/2013 5:48:00 PM  |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 9:48:00 AM

Project: Fox Ave.

Lab ID: 1307152-003

Matrix: Water

Client Sample ID: B-33a-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Dissolved Gases by RSK-175

Batch ID: R9402

Analyst: BR

|         |        |         |   |      |    |                       |
|---------|--------|---------|---|------|----|-----------------------|
| Methane | 4.15   | 0.100   | D | mg/L | 20 | 7/29/2013 11:34:00 AM |
| Ethene  | ND     | 0.00500 |   | mg/L | 1  | 7/29/2013 10:48:00 AM |
| Ethane  | 0.0583 | 0.00500 |   | mg/L | 1  | 7/29/2013 10:48:00 AM |

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9367

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | 2.28 | 0.200    |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| 1,1-Dichloroethane            | 5.77 | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| cis-1,2-Dichloroethene        | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Benzene                       | 21.2 | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Ethylbenzene                  | 4.34 | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 6:42:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 103  | 66.8-124 |  | %REC | 1 | 7/25/2013 6:42:00 PM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |  | %REC | 1 | 7/25/2013 6:42:00 PM |
| Surr: Toluene-d8              | 98.4 | 62.1-129 |  | %REC | 1 | 7/25/2013 6:42:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 10:16:00 AM

Project: Fox Ave.

Lab ID: 1307152-004

Matrix: Water

Client Sample ID: B-34-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9367

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | ND   | 0.200    |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| cis-1,2-Dichloroethene        | 5.80 | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Trichloroethene (TCE)         | 2.78 | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Tetrachloroethene (PCE)       | 4.35 | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 7:35:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |  | %REC | 1 | 7/25/2013 7:35:00 PM |
| Surr: Dibromofluoromethane    | 102  | 72.1-122 |  | %REC | 1 | 7/25/2013 7:35:00 PM |
| Surr: Toluene-d8              | 99.8 | 62.1-129 |  | %REC | 1 | 7/25/2013 7:35:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 10:58:00 AM

Project: Fox Ave.

Lab ID: 1307152-005

Matrix: Water

Client Sample ID: B-65-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 105  | 2.00     | D | µg/L | 10 | 7/29/2013 2:13:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| 1,1-Dichloroethane            | 25.8 | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| cis-1,2-Dichloroethene        | 21.1 | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Benzene                       | 14.9 | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Toluene                       | 1.85 | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Ethylbenzene                  | 2.43 | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| m,p-Xylene                    | 1.41 | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| o-Xylene                      | 2.47 | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 8:28:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |   | %REC | 1  | 7/25/2013 8:28:00 PM |
| Surr: Dibromofluoromethane    | 103  | 72.1-122 |   | %REC | 1  | 7/25/2013 8:28:00 PM |
| Surr: Toluene-d8              | 101  | 62.1-129 |   | %REC | 1  | 7/25/2013 8:28:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 11:35:00 AM

Project: Fox Ave.

Lab ID: 1307152-006

Matrix: Water

Client Sample ID: B-64-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9367

Analyst: EM

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 6.39 | 0.200    |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| cis-1,2-Dichloroethene        | 60.6 | 10.0     | D | µg/L | 10 | 7/27/2013 1:40:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| Trichloroethene (TCE)         | 3.94 | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| Tetrachloroethene (PCE)       | 12.4 | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 9:21:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 99.2 | 66.8-124 |   | %REC | 1  | 7/25/2013 9:21:00 PM |
| Surr: Dibromofluoromethane    | 99.8 | 72.1-122 |   | %REC | 1  | 7/25/2013 9:21:00 PM |
| Surr: Toluene-d8              | 99.4 | 62.1-129 |   | %REC | 1  | 7/25/2013 9:21:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 2:04:00 PM

Project: Fox Ave.

Lab ID: 1307152-007

Matrix: Water

Client Sample ID: B-61-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 151  | 2.00     | D | µg/L | 10 | 7/29/2013 2:40:00 PM  |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| cis-1,2-Dichloroethene        | 4.24 | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Benzene                       | 1.36 | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Ethylbenzene                  | 1.16 | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| o-Xylene                      | 1.27 | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 10:14:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 102  | 66.8-124 |   | %REC | 1  | 7/25/2013 10:14:00 PM |
| Surr: Dibromofluoromethane    | 103  | 72.1-122 |   | %REC | 1  | 7/25/2013 10:14:00 PM |
| Surr: Toluene-d8              | 100  | 62.1-129 |   | %REC | 1  | 7/25/2013 10:14:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 2:29:00 PM

Project: Fox Ave.

Lab ID: 1307152-008

Matrix: Water

Client Sample ID: B-60-072213

| Analyses                                 | Result  | RL      | Qual | Units           | DF | Date Analyzed         |
|------------------------------------------|---------|---------|------|-----------------|----|-----------------------|
| <b><u>Dissolved Gases by RSK-175</u></b> |         |         |      | Batch ID: R9402 |    | Analyst: BR           |
| Methane                                  | 1.97    | 0.0500  | D    | mg/L            | 10 | 7/29/2013 11:57:00 AM |
| Ethene                                   | 0.00801 | 0.00500 |      | mg/L            | 1  | 7/29/2013 10:52:00 AM |
| Ethane                                   | ND      | 0.00500 |      | mg/L            | 1  | 7/29/2013 10:52:00 AM |

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R9405      Analyst: EM

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 92.6 | 2.00     | D | µg/L | 10 | 7/30/2013 12:07:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| trans-1,2-Dichloroethene      | 73.7 | 10.0     | D | µg/L | 10 | 7/27/2013 6:37:00 AM  |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| cis-1,2-Dichloroethene        | 936  | 50.0     | D | µg/L | 50 | 7/27/2013 2:34:00 AM  |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| Benzene                       | 18.8 | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| Trichloroethene (TCE)         | 1.46 | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| Toluene                       | 77.1 | 10.0     | D | µg/L | 10 | 7/27/2013 6:37:00 AM  |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| Tetrachloroethene (PCE)       | 1.62 | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| Ethylbenzene                  | 69.9 | 10.0     | D | µg/L | 10 | 7/27/2013 6:37:00 AM  |
| m,p-Xylene                    | 51.2 | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| o-Xylene                      | 19.6 | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| 1,2,4-Trimethylbenzene        | 14.5 | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| Naphthalene                   | 10.5 | 1.00     |   | µg/L | 1  | 7/25/2013 11:08:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |   | %REC | 1  | 7/25/2013 11:08:00 PM |
| Surr: Dibromofluoromethane    | 102  | 72.1-122 |   | %REC | 1  | 7/25/2013 11:08:00 PM |
| Surr: Toluene-d8              | 102  | 62.1-129 |   | %REC | 1  | 7/25/2013 11:08:00 PM |

|             |    |                                                 |    |                                                    |
|-------------|----|-------------------------------------------------|----|----------------------------------------------------|
| Qualifiers: | B  | Analyte detected in the associated Method Blank | D  | Dilution was required                              |
|             | 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                |
|             | RL | Reporting Limit                                 | S  | Spike recovery outside accepted recovery limits    |
|             |    |                                                 |    |                                                    |



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 3:05:00 PM

Project: Fox Ave.

Lab ID: 1307152-009

Matrix: Water

Client Sample ID: B-58-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 354  | 4.00     | D | µg/L | 20 | 7/29/2013 3:08:00 PM  |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| trans-1,2-Dichloroethene      | 30.8 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| cis-1,2-Dichloroethene        | 316  | 20.0     | D | µg/L | 20 | 7/27/2013 3:01:00 AM  |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| Benzene                       | 6.14 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| Trichloroethene (TCE)         | 3.33 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| Toluene                       | 21.9 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| Tetrachloroethene (PCE)       | 16.1 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| Ethylbenzene                  | 13.8 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| m,p-Xylene                    | 12.4 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| o-Xylene                      | 5.78 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| 1,2,4-Trimethylbenzene        | 4.83 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| Naphthalene                   | 1.35 | 1.00     |   | µg/L | 1  | 7/26/2013 12:01:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |   | %REC | 1  | 7/26/2013 12:01:00 AM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |   | %REC | 1  | 7/26/2013 12:01:00 AM |
| Surr: Toluene-d8              | 99.3 | 62.1-129 |   | %REC | 1  | 7/26/2013 12:01:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 8:36:00 AM

Project: Fox Ave.

Lab ID: 1307152-010

Matrix: Water

Client Sample ID: RI-IW9-11-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Dissolved Gases by RSK-175

Batch ID: R9402

Analyst: BR

|         |      |         |   |      |    |                       |
|---------|------|---------|---|------|----|-----------------------|
| Methane | 2.13 | 0.100   | D | mg/L | 20 | 7/29/2013 12:02:00 PM |
| Ethene  | ND   | 0.00500 |   | mg/L | 1  | 7/29/2013 10:55:00 AM |
| Ethane  | ND   | 0.00500 |   | mg/L | 1  | 7/29/2013 10:55:00 AM |

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 9.72 | 0.200    |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| trans-1,2-Dichloroethene      | 1.28 | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| cis-1,2-Dichloroethene        | 65.7 | 10.0     | D | µg/L | 10 | 7/27/2013 3:28:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| Trichloroethene (TCE)         | 3.15 | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| Tetrachloroethene (PCE)       | 7.60 | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 3:59:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 103  | 66.8-124 |   | %REC | 1  | 7/26/2013 3:59:00 AM |
| Surr: Dibromofluoromethane    | 100  | 72.1-122 |   | %REC | 1  | 7/26/2013 3:59:00 AM |
| Surr: Toluene-d8              | 99.4 | 62.1-129 |   | %REC | 1  | 7/26/2013 3:59:00 AM |

## Total Organic Carbon by SM 5310C

Batch ID: R9413

Analyst: PH

|                      |       |     |   |      |     |                      |
|----------------------|-------|-----|---|------|-----|----------------------|
| Total Organic Carbon | 2,330 | 250 | D | mg/L | 500 | 7/30/2013 1:08:23 PM |
|----------------------|-------|-----|---|------|-----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 9:33:00 AM

Project: Fox Ave.

Lab ID: 1307152-011

Matrix: Water

Client Sample ID: NW1-2-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 5.89 | 0.200    |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| trans-1,2-Dichloroethene      | 1.24 | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| cis-1,2-Dichloroethene        | 88.6 | 10.0     | D | µg/L | 10 | 7/27/2013 3:55:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| Trichloroethene (TCE)         | 45.8 | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| Tetrachloroethene (PCE)       | 51.5 | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:52:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |   | %REC | 1  | 7/26/2013 4:52:00 AM |
| Surr: Dibromofluoromethane    | 97.5 | 72.1-122 |   | %REC | 1  | 7/26/2013 4:52:00 AM |
| Surr: Toluene-d8              | 98.2 | 62.1-129 |   | %REC | 1  | 7/26/2013 4:52:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 10:17:00 AM

Project: Fox Ave.

Lab ID: 1307152-012

Matrix: Water

Client Sample ID: RI-IW10-11-072313

| Analyses                                                    | Result | RL       | Qual | Units           | DF  | Date Analyzed         |
|-------------------------------------------------------------|--------|----------|------|-----------------|-----|-----------------------|
| <b><u>Dissolved Gases by RSK-175</u></b>                    |        |          |      | Batch ID: R9402 |     | Analyst: BR           |
| Methane                                                     | 1.51   | 0.0500   | D    | mg/L            | 10  | 7/29/2013 11:44:00 AM |
| Ethene                                                      | ND     | 0.00500  |      | mg/L            | 1   | 7/29/2013 10:59:00 AM |
| Ethane                                                      | ND     | 0.00500  |      | mg/L            | 1   | 7/29/2013 10:59:00 AM |
| <b><u>Volatile Organic Compounds by EPA Method 8260</u></b> |        |          |      | Batch ID: R9405 |     | Analyst: EM           |
| Vinyl chloride                                              | 5.01   | 0.200    |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| 1,1-Dichloroethene                                          | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| trans-1,2-Dichloroethene                                    | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| 1,1-Dichloroethane                                          | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| cis-1,2-Dichloroethene                                      | 80.3   | 10.0     | D    | µg/L            | 10  | 7/27/2013 4:22:00 AM  |
| Trichloroethane (TCA)                                       | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| 1,2-Dichloroethane                                          | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| Benzene                                                     | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| Trichloroethene (TCE)                                       | 3.44   | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| Toluene                                                     | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| 1,1,2-Trichloroethane                                       | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| Tetrachloroethene (PCE)                                     | 1.99   | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| Ethylbenzene                                                | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| m,p-Xylene                                                  | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| o-Xylene                                                    | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| 1,1,2,2-Tetrachloroethane                                   | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| 1,2,4-Trimethylbenzene                                      | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| Naphthalene                                                 | ND     | 1.00     |      | µg/L            | 1   | 7/26/2013 5:44:00 AM  |
| Surr: 1-Bromo-4-fluorobenzene                               | 98.7   | 66.8-124 |      | %REC            | 1   | 7/26/2013 5:44:00 AM  |
| Surr: Dibromofluoromethane                                  | 101    | 72.1-122 |      | %REC            | 1   | 7/26/2013 5:44:00 AM  |
| Surr: Toluene-d8                                            | 99.4   | 62.1-129 |      | %REC            | 1   | 7/26/2013 5:44:00 AM  |
| <b><u>Total Organic Carbon by SM 5310C</u></b>              |        |          |      | Batch ID: R9413 |     | Analyst: PH           |
| Total Organic Carbon                                        | 2,220  | 250      | D    | mg/L            | 500 | 7/30/2013 1:29:47 PM  |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 11:17:00 AM

Project: Fox Ave.

Lab ID: 1307152-013

Matrix: Water

Client Sample ID: RI-IW11-12-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | ND   | 0.200    |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| cis-1,2-Dichloroethene        | 28.2 | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Trichloroethene (TCE)         | 5.92 | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Tetrachloroethene (PCE)       | 13.7 | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 6:37:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 99.9 | 66.8-124 |  | %REC | 1 | 7/26/2013 6:37:00 AM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |  | %REC | 1 | 7/26/2013 6:37:00 AM |
| Surr: Toluene-d8              | 101  | 62.1-129 |  | %REC | 1 | 7/26/2013 6:37:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 12:23:00 PM

Project: Fox Ave.

Lab ID: 1307152-014

Matrix: Water

Client Sample ID: SP-01-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | ND   | 0.200    |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| cis-1,2-Dichloroethene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Naphthalene                   | 6.59 | 1.00     |  | µg/L | 1 | 7/26/2013 7:30:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |  | %REC | 1 | 7/26/2013 7:30:00 AM |
| Surr: Dibromofluoromethane    | 102  | 72.1-122 |  | %REC | 1 | 7/26/2013 7:30:00 AM |
| Surr: Toluene-d8              | 99.3 | 62.1-129 |  | %REC | 1 | 7/26/2013 7:30:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 12:28:00 PM

Project: Fox Ave.

Lab ID: 1307152-015

Matrix: Water

Client Sample ID: SP-02-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | ND   | 0.200    |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| cis-1,2-Dichloroethene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 8:51:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |  | %REC | 1 | 7/26/2013 8:51:00 AM |
| Surr: Dibromofluoromethane    | 102  | 72.1-122 |  | %REC | 1 | 7/26/2013 8:51:00 AM |
| Surr: Toluene-d8              | 99.6 | 62.1-129 |  | %REC | 1 | 7/26/2013 8:51:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 12:41:00 PM

Project: Fox Ave.

Lab ID: 1307152-016

Matrix: Water

Client Sample ID: SP-03-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |  |      |   |                       |
|-------------------------------|------|----------|--|------|---|-----------------------|
| Vinyl chloride                | 52.5 | 0.200    |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| 1,1-Dichloroethane            | 2.67 | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| cis-1,2-Dichloroethene        | 19.6 | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Benzene                       | 4.74 | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 10:37:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |  | %REC | 1 | 7/26/2013 10:37:00 AM |
| Surr: Dibromofluoromethane    | 103  | 72.1-122 |  | %REC | 1 | 7/26/2013 10:37:00 AM |
| Surr: Toluene-d8              | 99.7 | 62.1-129 |  | %REC | 1 | 7/26/2013 10:37:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 12:48:00 PM

Project: Fox Ave.

Lab ID: 1307152-017

Matrix: Water

Client Sample ID: SP-04-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |       |          |  |      |   |                       |
|-------------------------------|-------|----------|--|------|---|-----------------------|
| Vinyl chloride                | 0.850 | 0.200    |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| 1,1-Dichloroethene            | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| trans-1,2-Dichloroethene      | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| 1,1-Dichloroethane            | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| cis-1,2-Dichloroethene        | 9.48  | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Trichloroethane (TCA)         | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| 1,2-Dichloroethane            | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Benzene                       | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Trichloroethene (TCE)         | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Toluene                       | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Tetrachloroethene (PCE)       | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Ethylbenzene                  | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| m,p-Xylene                    | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| o-Xylene                      | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| 1,2,4-Trimethylbenzene        | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Naphthalene                   | ND    | 1.00     |  | µg/L | 1 | 7/26/2013 11:30:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 100   | 66.8-124 |  | %REC | 1 | 7/26/2013 11:30:00 AM |
| Surr: Dibromofluoromethane    | 101   | 72.1-122 |  | %REC | 1 | 7/26/2013 11:30:00 AM |
| Surr: Toluene-d8              | 100   | 62.1-129 |  | %REC | 1 | 7/26/2013 11:30:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 1:37:00 PM

Project: Fox Ave.

Lab ID: 1307152-018

Matrix: Water

Client Sample ID: NW1-1-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 16.2 | 0.200    |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| trans-1,2-Dichloroethene      | 2.08 | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| cis-1,2-Dichloroethene        | 128  | 10.0     | D | µg/L | 10 | 7/27/2013 4:49:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| Trichloroethene (TCE)         | 16.2 | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| Toluene                       | 1.12 | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| Tetrachloroethene (PCE)       | 23.9 | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 1:43:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 99.1 | 66.8-124 |   | %REC | 1  | 7/26/2013 1:43:00 PM |
| Surr: Dibromofluoromethane    | 104  | 72.1-122 |   | %REC | 1  | 7/26/2013 1:43:00 PM |
| Surr: Toluene-d8              | 101  | 62.1-129 |   | %REC | 1  | 7/26/2013 1:43:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 2:18:00 PM

Project: Fox Ave.

Lab ID: 1307152-019

Matrix: Water

Client Sample ID: RI-IW13-12-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Dissolved Gases by RSK-175

Batch ID: R9402

Analyst: BR

|         |       |         |   |      |   |                       |
|---------|-------|---------|---|------|---|-----------------------|
| Methane | 0.593 | 0.0250  | D | mg/L | 5 | 7/29/2013 12:06:00 PM |
| Ethene  | ND    | 0.00500 |   | mg/L | 1 | 7/29/2013 11:04:00 AM |
| Ethane  | ND    | 0.00500 |   | mg/L | 1 | 7/29/2013 11:04:00 AM |

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | 9.54 | 0.200    |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| cis-1,2-Dichloroethene        | 16.1 | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Trichloroethene (TCE)         | 2.35 | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Tetrachloroethene (PCE)       | 4.05 | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 2:36:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 99.7 | 66.8-124 |  | %REC | 1 | 7/26/2013 2:36:00 PM |
| Surr: Dibromofluoromethane    | 103  | 72.1-122 |  | %REC | 1 | 7/26/2013 2:36:00 PM |
| Surr: Toluene-d8              | 99.8 | 62.1-129 |  | %REC | 1 | 7/26/2013 2:36:00 PM |

## Total Organic Carbon by SM 5310C

Batch ID: R9413

Analyst: PH

|                      |     |      |   |      |     |                      |
|----------------------|-----|------|---|------|-----|----------------------|
| Total Organic Carbon | 732 | 50.0 | D | mg/L | 100 | 7/30/2013 1:50:46 PM |
|----------------------|-----|------|---|------|-----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/22/2013 8:00:00 AM

Project: Fox Ave.

Lab ID: 1307152-020

Matrix: Water

Client Sample ID: DUP1-072213

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | 2.18 | 0.200    |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| 1,1-Dichloroethane            | 5.72 | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| cis-1,2-Dichloroethene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Benzene                       | 21.2 | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Ethylbenzene                  | 4.06 | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 3:29:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |  | %REC | 1 | 7/26/2013 3:29:00 PM |
| Surr: Dibromofluoromethane    | 103  | 72.1-122 |  | %REC | 1 | 7/26/2013 3:29:00 PM |
| Surr: Toluene-d8              | 100  | 62.1-129 |  | %REC | 1 | 7/26/2013 3:29:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/23/2013 8:00:00 AM

Project: Fox Ave.

Lab ID: 1307152-021

Matrix: Water

Client Sample ID: DUP2-072313

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 14.1 | 0.200    |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| trans-1,2-Dichloroethene      | 1.75 | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| cis-1,2-Dichloroethene        | 140  | 10.0     | D | µg/L | 10 | 7/27/2013 5:16:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| Trichloroethene (TCE)         | 13.9 | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| Tetrachloroethene (PCE)       | 19.4 | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:22:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 102  | 66.8-124 |   | %REC | 1  | 7/26/2013 4:22:00 PM |
| Surr: Dibromofluoromethane    | 104  | 72.1-122 |   | %REC | 1  | 7/26/2013 4:22:00 PM |
| Surr: Toluene-d8              | 98.1 | 62.1-129 |   | %REC | 1  | 7/26/2013 4:22:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307152

Date Reported: 7/30/2013

Client: Floyd | Snider

Collection Date: 7/18/2013 5:20:00 PM

Project: Fox Ave.

Lab ID: 1307152-022

Matrix: Water

Client Sample ID: Trip Blank

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9367

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | ND   | 0.200    |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| cis-1,2-Dichloroethene        | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/25/2013 8:27:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 98.5 | 66.8-124 |  | %REC | 1 | 7/25/2013 8:27:00 AM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |  | %REC | 1 | 7/25/2013 8:27:00 AM |
| Surr: Toluene-d8              | 101  | 62.1-129 |  | %REC | 1 | 7/25/2013 8:27:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Total Organic Carbon by SM 5310C

|                            |                        |                                 |           |                             |                                                        |
|----------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>MB-R9413</b> | SampType: <b>MBLK</b>  | Units: <b>mg/L</b>              |           | Prep Date: <b>7/30/2013</b> | RunNo: <b>9413</b>                                     |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9413</b> | Analysis Date: <b>7/30/2013</b> |           | SeqNo: <b>189191</b>        |                                                        |
| Analyte                    | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |       |       |  |  |  |  |  |  |  |  |  |
|----------------------|-------|-------|--|--|--|--|--|--|--|--|--|
| Total Organic Carbon | 0.636 | 0.500 |  |  |  |  |  |  |  |  |  |
|----------------------|-------|-------|--|--|--|--|--|--|--|--|--|

|                             |                        |                                 |           |                             |                                                        |
|-----------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>LCS-R9413</b> | SampType: <b>LCS</b>   | Units: <b>mg/L</b>              |           | Prep Date: <b>7/30/2013</b> | RunNo: <b>9413</b>                                     |
| Client ID: <b>LCSW</b>      | Batch ID: <b>R9413</b> | Analysis Date: <b>7/30/2013</b> |           | SeqNo: <b>189192</b>        |                                                        |
| Analyte                     | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |      |       |       |   |      |    |     |  |  |  |   |
|----------------------|------|-------|-------|---|------|----|-----|--|--|--|---|
| Total Organic Carbon | 4.76 | 0.500 | 5.000 | 0 | 95.3 | 80 | 120 |  |  |  | B |
|----------------------|------|-------|-------|---|------|----|-----|--|--|--|---|

|                              |                        |                                 |           |                             |                                                        |
|------------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>LCSD-R9413</b> | SampType: <b>LCSD</b>  | Units: <b>mg/L</b>              |           | Prep Date: <b>7/30/2013</b> | RunNo: <b>9413</b>                                     |
| Client ID: <b>LCSW02</b>     | Batch ID: <b>R9413</b> | Analysis Date: <b>7/30/2013</b> |           | SeqNo: <b>189193</b>        |                                                        |
| Analyte                      | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |      |       |       |   |      |    |     |       |      |    |   |
|----------------------|------|-------|-------|---|------|----|-----|-------|------|----|---|
| Total Organic Carbon | 4.83 | 0.500 | 5.000 | 0 | 96.5 | 80 | 120 | 4.763 | 1.31 | 20 | B |
|----------------------|------|-------|-------|---|------|----|-----|-------|------|----|---|

|                                     |                        |                                 |           |                             |                                                        |
|-------------------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>1307152-019CDUP</b>   | SampType: <b>DUP</b>   | Units: <b>mg/L</b>              |           | Prep Date: <b>7/30/2013</b> | RunNo: <b>9413</b>                                     |
| Client ID: <b>RI-IW13-12-072313</b> | Batch ID: <b>R9413</b> | Analysis Date: <b>7/30/2013</b> |           | SeqNo: <b>189197</b>        |                                                        |
| Analyte                             | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |     |      |  |  |  |  |  |       |      |    |   |
|----------------------|-----|------|--|--|--|--|--|-------|------|----|---|
| Total Organic Carbon | 741 | 50.0 |  |  |  |  |  | 731.8 | 1.20 | 20 | D |
|----------------------|-----|------|--|--|--|--|--|-------|------|----|---|

|                                     |                        |                                 |           |                             |                                                        |
|-------------------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>1307152-019CMS</b>    | SampType: <b>MS</b>    | Units: <b>mg/L</b>              |           | Prep Date: <b>7/30/2013</b> | RunNo: <b>9413</b>                                     |
| Client ID: <b>RI-IW13-12-072313</b> | Batch ID: <b>R9413</b> | Analysis Date: <b>7/30/2013</b> |           | SeqNo: <b>189198</b>        |                                                        |
| Analyte                             | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |       |      |       |       |     |    |     |  |  |  |  |
|----------------------|-------|------|-------|-------|-----|----|-----|--|--|--|--|
| Total Organic Carbon | 1,240 | 50.0 | 500.0 | 731.8 | 101 | 70 | 130 |  |  |  |  |
|----------------------|-------|------|-------|-------|-----|----|-----|--|--|--|--|

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Total Organic Carbon by SM 5310C

|                                     |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|-------------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>1307152-019CMSD</b>   | SampType: <b>MSD</b>   | Units: <b>mg/L</b> |           |             |      | Prep Date: <b>7/30/2013</b>     |           |             | RunNo: <b>9413</b>   |          |      |
| Client ID: <b>RI-IW13-12-072313</b> | Batch ID: <b>R9413</b> |                    |           |             |      | Analysis Date: <b>7/30/2013</b> |           |             | SeqNo: <b>189199</b> |          |      |
| Analyte                             | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Total Organic Carbon                | 1,240                  | 50.0               | 500.0     | 731.8       | 102  | 70                              | 130       | 1,236       | 0.404                | 30       |      |

|             |   |                                                    |    |                                            |    |                                                 |
|-------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| Qualifiers: | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|             | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Dissolved Gases by RSK-175

| Sample ID: <b>1307152-019BDUP</b>   | SampType: <b>DUP</b>   | Units: <b>mg/L</b> |           |             | Prep Date: <b>7/29/2013</b>     |          |           | RunNo: <b>9402</b>   |      |          |      |
|-------------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>RI-IW13-12-072313</b> | Batch ID: <b>R9402</b> |                    |           |             | Analysis Date: <b>7/29/2013</b> |          |           | SeqNo: <b>188932</b> |      |          |      |
| Analyte                             | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Methane                             | 0.367                  | 0.00500            |           |             |                                 |          |           | 0.3023               | 19.3 | 30       | E    |
| Ethene                              | ND                     | 0.00500            |           |             |                                 |          |           | 0                    | 0    | 30       | R    |
| Ethane                              | ND                     | 0.00500            |           |             |                                 |          |           | 0                    | 0    | 30       | R    |

#### NOTES:

R - High RPD due to low analyte concentration. In this range, high RPD's may be expected.

|                             |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|-----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>LCS-R9402</b> | SampType: <b>LCS</b>   | Units: <b>mg/L</b> |           |             |      | Prep Date: <b>7/29/2013</b>     |           |             | RunNo: <b>9402</b>   |          |      |
| Client ID: <b>LCSW</b>      | Batch ID: <b>R9402</b> |                    |           |             |      | Analysis Date: <b>7/29/2013</b> |           |             | SeqNo: <b>188944</b> |          |      |
| Analyte                     | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Methane                     | 0.459                  | 0.00500            | 0.5000    | 0           | 91.8 | 80                              | 120       |             |                      |          |      |
| Ethene                      | 0.460                  | 0.00500            | 0.5000    | 0           | 92.1 | 80                              | 120       |             |                      |          |      |
| Ethane                      | 0.458                  | 0.00500            | 0.5000    | 0           | 91.7 | 80                              | 120       |             |                      |          |      |

|                            |                        |                    |           |             |                                 |          |           |                      |      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>MB-R9402</b> | SampType: <b>MBLK</b>  | Units: <b>mg/L</b> |           |             | Prep Date: <b>7/29/2013</b>     |          |           | RunNo: <b>9402</b>   |      |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9402</b> |                    |           |             | Analysis Date: <b>7/29/2013</b> |          |           | SeqNo: <b>188945</b> |      |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Methane                    | ND                     | 0.00500            |           |             |                                 |          |           |                      |      |          |      |
| Ethene                     | ND                     | 0.00500            |           |             |                                 |          |           |                      |      |          |      |
| Ethane                     | ND                     | 0.00500            |           |             |                                 |          |           |                      |      |          |      |

#### Qualifiers:

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

D Dilution was required  
J Analyte detected below quantitation limits  
RL Reporting Limit

E Value above quantitation range  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                               |                 |                          |           |             |      |                      |           |               |             |          |      |
|-------------------------------|-----------------|--------------------------|-----------|-------------|------|----------------------|-----------|---------------|-------------|----------|------|
| Sample ID: 1307128-002AMS     | SampType: MS    | Units: µg/L              |           |             |      | Prep Date: 7/25/2013 |           |               | RunNo: 9367 |          |      |
| Client ID: BATCH              | Batch ID: R9367 | Analysis Date: 7/25/2013 |           |             |      |                      |           | SeqNo: 188198 |             |          |      |
| Analyte                       | Result          | RL                       | SPK value | SPK Ref Val | %REC | LowLimit             | HighLimit | RPD Ref Val   | %RPD        | RPDLimit | Qual |
| Vinyl chloride                | 21.2            | 0.200                    | 20.00     | 0           | 106  | 45.6                 | 149       |               |             |          |      |
| 1,1-Dichloroethene            | 22.4            | 1.00                     | 20.00     | 0           | 112  | 58.2                 | 146       |               |             |          |      |
| trans-1,2-Dichloroethene      | 22.2            | 1.00                     | 20.00     | 0           | 111  | 69                   | 132       |               |             |          |      |
| 1,1-Dichloroethane            | 22.5            | 1.00                     | 20.00     | 0           | 112  | 74.7                 | 133       |               |             |          |      |
| cis-1,2-Dichloroethene        | 21.0            | 1.00                     | 20.00     | 0           | 105  | 67.1                 | 123       |               |             |          |      |
| Trichloroethane (TCA)         | 23.1            | 1.00                     | 20.00     | 0           | 116  | 64.2                 | 146       |               |             |          |      |
| 1,2-Dichloroethane            | 21.8            | 1.00                     | 20.00     | 0           | 109  | 62.3                 | 130       |               |             |          |      |
| Benzene                       | 22.5            | 1.00                     | 20.00     | 0           | 112  | 68.7                 | 132       |               |             |          |      |
| Trichloroethene (TCE)         | 22.0            | 1.00                     | 20.00     | 0           | 110  | 65.7                 | 133       |               |             |          |      |
| Toluene                       | 21.9            | 1.00                     | 20.00     | 0           | 109  | 68.4                 | 133       |               |             |          |      |
| 1,1,2-Trichloroethane         | 21.8            | 1.00                     | 20.00     | 0           | 109  | 59.4                 | 127       |               |             |          |      |
| Tetrachloroethene (PCE)       | 22.1            | 1.00                     | 20.00     | 0           | 111  | 51.5                 | 109       |               |             |          | S    |
| Ethylbenzene                  | 21.9            | 1.00                     | 20.00     | 0           | 110  | 67.3                 | 135       |               |             |          |      |
| m,p-Xylene                    | 43.9            | 1.00                     | 40.00     | 0           | 110  | 63.3                 | 135       |               |             |          |      |
| o-Xylene                      | 21.6            | 1.00                     | 20.00     | 0           | 108  | 67.8                 | 131       |               |             |          |      |
| 1,1,2,2-Tetrachloroethane     | 21.3            | 1.00                     | 20.00     | 0           | 106  | 59.1                 | 137       |               |             |          |      |
| 1,2,4-Trimethylbenzene        | 21.4            | 1.00                     | 20.00     | 0           | 107  | 63.7                 | 132       |               |             |          |      |
| Naphthalene                   | 20.4            | 1.00                     | 20.00     | 0           | 102  | 58.7                 | 119       |               |             |          |      |
| Surr: Dibromofluoromethane    | 50.4            |                          | 50.00     |             | 101  | 72.1                 | 122       |               |             |          |      |
| Surr: Toluene-d8              | 50.1            |                          | 50.00     |             | 100  | 62.1                 | 129       |               |             |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.7            |                          | 50.00     |             | 101  | 66.8                 | 124       |               |             |          |      |

**NOTES:**

S - Outlying QC recoveries were associated with this sample. The method is in control as indicated by the LCS.

|                             |        |                        |           |                    |      |                             |                                 |             |                    |                      |      |
|-----------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|--------------------|----------------------|------|
| Sample ID: <b>LCS-R9367</b> |        | SampType: <b>LCS</b>   |           | Units: <b>µg/L</b> |      | Prep Date: <b>7/25/2013</b> |                                 |             | RunNo: <b>9367</b> |                      |      |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>R9367</b> |           |                    |      |                             | Analysis Date: <b>7/25/2013</b> |             |                    | SeqNo: <b>188210</b> |      |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD               | RPDLimit             | Qual |
| Vinyl chloride              | 18.3   | 0.200                  | 20.00     | 0                  | 91.5 | 56.2                        | 130                             |             |                    |                      |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>LCS-R9367</b>   | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/25/2013</b>     |           |             | RunNo: <b>9367</b>   |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>LCSW</b>        | Batch ID: <b>R9367</b> |                    |           |             |      | Analysis Date: <b>7/25/2013</b> |           |             | SeqNo: <b>188210</b> |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| 1,1-Dichloroethene            | 20.1                   | 1.00               | 20.00     | 0           | 101  | 60.7                            | 146       |             |                      |          |      |
| trans-1,2-Dichloroethene      | 20.5                   | 1.00               | 20.00     | 0           | 102  | 71.3                            | 129       |             |                      |          |      |
| 1,1-Dichloroethane            | 21.2                   | 1.00               | 20.00     | 0           | 106  | 71.3                            | 129       |             |                      |          |      |
| cis-1,2-Dichloroethene        | 20.3                   | 1.00               | 20.00     | 0           | 101  | 67.5                            | 127       |             |                      |          |      |
| Trichloroethane (TCA)         | 20.5                   | 1.00               | 20.00     | 0           | 103  | 67.9                            | 134       |             |                      |          |      |
| 1,2-Dichloroethane            | 20.4                   | 1.00               | 20.00     | 0           | 102  | 65.8                            | 126       |             |                      |          |      |
| Benzene                       | 20.4                   | 1.00               | 20.00     | 0           | 102  | 75.2                            | 124       |             |                      |          |      |
| Trichloroethene (TCE)         | 20.2                   | 1.00               | 20.00     | 0           | 101  | 71.9                            | 130       |             |                      |          |      |
| Toluene                       | 20.3                   | 1.00               | 20.00     | 0           | 101  | 75.2                            | 129       |             |                      |          |      |
| 1,1,2-Trichloroethane         | 20.2                   | 1.00               | 20.00     | 0           | 101  | 65.4                            | 128       |             |                      |          |      |
| Tetrachloroethene (PCE)       | 20.2                   | 1.00               | 20.00     | 0           | 101  | 52.4                            | 140       |             |                      |          |      |
| Ethylbenzene                  | 20.4                   | 1.00               | 20.00     | 0           | 102  | 78                              | 127       |             |                      |          |      |
| m,p-Xylene                    | 40.7                   | 1.00               | 40.00     | 0           | 102  | 77.5                            | 130       |             |                      |          |      |
| o-Xylene                      | 20.3                   | 1.00               | 20.00     | 0           | 101  | 77.6                            | 126       |             |                      |          |      |
| 1,1,2,2-Tetrachloroethane     | 20.8                   | 1.00               | 20.00     | 0           | 104  | 68                              | 134       |             |                      |          |      |
| 1,2,4-Trimethylbenzene        | 19.9                   | 1.00               | 20.00     | 0           | 99.5 | 72.3                            | 133       |             |                      |          |      |
| Naphthalene                   | 19.8                   | 1.00               | 20.00     | 0           | 99.2 | 58.2                            | 140       |             |                      |          |      |
| Surr: Dibromofluoromethane    | 49.8                   |                    | 50.00     |             | 99.6 | 72.1                            | 122       |             |                      |          |      |
| Surr: Toluene-d8              | 50.0                   |                    | 50.00     |             | 100  | 62.1                            | 129       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.8                   |                    | 50.00     |             | 102  | 66.8                            | 124       |             |                      |          |      |

|                            |                        |                    |           |             |                                 |          |           |                      |      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>MB-R9367</b> | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/25/2013</b>     |          |           | RunNo: <b>9367</b>   |      |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9367</b> |                    |           |             | Analysis Date: <b>7/25/2013</b> |          |           | SeqNo: <b>188211</b> |      |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Vinyl chloride             | ND                     | 0.200              |           |             |                                 |          |           |                      |      |          |      |
| 1,1-Dichloroethene         | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| trans-1,2-Dichloroethene   | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>MB-R9367</b>    | SampType: <b>MBLK</b>  | Units: <b>µg/L</b>              |           |             | Prep Date: <b>7/25/2013</b> |          |           | RunNo: <b>9367</b>   |      |          |      |
|-------------------------------|------------------------|---------------------------------|-----------|-------------|-----------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>       | Batch ID: <b>R9367</b> | Analysis Date: <b>7/25/2013</b> |           |             |                             |          |           | SeqNo: <b>188211</b> |      |          |      |
| Analyte                       | Result                 | RL                              | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| 1,1-Dichloroethane            | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| cis-1,2-Dichloroethene        | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Trichloroethane (TCA)         | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,2-Dichloroethane            | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Benzene                       | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Trichloroethene (TCE)         | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Toluene                       | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,1,2-Trichloroethane         | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Tetrachloroethene (PCE)       | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Ethylbenzene                  | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| m,p-Xylene                    | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| o-Xylene                      | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,1,2,2-Tetrachloroethane     | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,2,4-Trimethylbenzene        | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Naphthalene                   | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Surr: Dibromofluoromethane    | 50.4                   |                                 | 50.00     |             | 101                         | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8              | 50.1                   |                                 | 50.00     |             | 100                         | 62.1     | 129       |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 49.4                   |                                 | 50.00     |             | 98.8                        | 66.8     | 124       |                      |      |          |      |

|                                   |        |                        |           |                    |      |                             |                                 |             |                    |                      |      |
|-----------------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|--------------------|----------------------|------|
| Sample ID: <b>1307125-001ADUP</b> |        | SampType: <b>DUP</b>   |           | Units: <b>µg/L</b> |      | Prep Date: <b>7/25/2013</b> |                                 |             | RunNo: <b>9367</b> |                      |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>R9367</b> |           |                    |      |                             | Analysis Date: <b>7/25/2013</b> |             |                    | SeqNo: <b>188214</b> |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD               | RPDLimit             | Qual |
| Vinyl chloride                    | ND     | 0.200                  |           |                    |      |                             |                                 | 0           | 0                  | 30                   |      |
| 1,1-Dichloroethene                | ND     | 1.00                   |           |                    |      |                             |                                 | 0           | 0                  | 30                   |      |
| trans-1,2-Dichloroethene          | ND     | 1.00                   |           |                    |      |                             |                                 | 0           | 0                  | 30                   |      |
| 1,1-Dichloroethane                | ND     | 1.00                   |           |                    |      |                             |                                 | 0           | 0                  | 30                   |      |
| cis-1,2-Dichloroethene            | 1.18   | 1.00                   |           |                    |      |                             |                                 | 1.240       | 4.96               | 30                   |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

|                               |        |                 |           |             |      |                      |                          |             |             |               |      |
|-------------------------------|--------|-----------------|-----------|-------------|------|----------------------|--------------------------|-------------|-------------|---------------|------|
| Sample ID: 1307125-001ADUP    |        | SampType: DUP   |           | Units: µg/L |      | Prep Date: 7/25/2013 |                          |             | RunNo: 9367 |               |      |
| Client ID: BATCH              |        | Batch ID: R9367 |           |             |      |                      | Analysis Date: 7/25/2013 |             |             | SeqNo: 188214 |      |
| Analyte                       | Result | RL              | SPK value | SPK Ref Val | %REC | LowLimit             | HighLimit                | RPD Ref Val | %RPD        | RPDLimit      | Qual |
| Trichloroethane (TCA)         | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| 1,2-Dichloroethane            | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| Benzene                       | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| Trichloroethene (TCE)         | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| Toluene                       | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| 1,1,2-Trichloroethane         | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| Tetrachloroethene (PCE)       | 5.04   | 1.00            |           |             |      |                      |                          | 5.410       | 7.08        | 30            |      |
| Ethylbenzene                  | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| m,p-Xylene                    | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| o-Xylene                      | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| 1,1,2,2-Tetrachloroethane     | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| 1,2,4-Trimethylbenzene        | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| Naphthalene                   | ND     | 1.00            |           |             |      |                      |                          | 0           | 0           | 30            |      |
| Surr: Dibromofluoromethane    | 51.4   |                 | 50.00     |             | 103  | 72.1                 | 122                      |             | 0           |               |      |
| Surr: Toluene-d8              | 50.3   |                 | 50.00     |             | 101  | 62.1                 | 129                      |             | 0           |               |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.5   |                 | 50.00     |             | 101  | 66.8                 | 124                      |             | 0           |               |      |

|                            |        |                 |           |             |      |                          |           |             |               |          |      |
|----------------------------|--------|-----------------|-----------|-------------|------|--------------------------|-----------|-------------|---------------|----------|------|
| Sample ID: 1307152-014ADUP |        | SampType: DUP   |           | Units: µg/L |      | Prep Date: 7/26/2013     |           |             | RunNo: 9405   |          |      |
| Client ID: SP-01-072313    |        | Batch ID: R9405 |           |             |      | Analysis Date: 7/26/2013 |           |             | SeqNo: 189001 |          |      |
| Analyte                    | Result | RL              | SPK value | SPK Ref Val | %REC | LowLimit                 | HighLimit | RPD Ref Val | %RPD          | RPDLimit | Qual |
| Vinyl chloride             | ND     | 0.200           |           |             |      |                          |           | 0           | 0             | 30       |      |
| 1,1-Dichloroethene         | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| trans-1,2-Dichloroethene   | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| 1,1-Dichloroethane         | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| cis-1,2-Dichloroethene     | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| Trichloroethane (TCA)      | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| 1,2-Dichloroethane         | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>1307152-014ADUP</b> | SampType: <b>DUP</b>   | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9405</b>   |      |          |      |
|-----------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>SP-01-072313</b>    | Batch ID: <b>R9405</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189001</b> |      |          |      |
| Analyte                           | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Benzene                           | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Trichloroethene (TCE)             | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Toluene                           | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,1,2-Trichloroethane             | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Tetrachloroethene (PCE)           | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Ethylbenzene                      | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| m,p-Xylene                        | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| o-Xylene                          | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,1,2,2-Tetrachloroethane         | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,2,4-Trimethylbenzene            | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Naphthalene                       | 6.08                   | 1.00               |           |             |                                 |          |           | 6.590                | 8.05 | 30       |      |
| Surr: 1-Bromo-4-fluorobenzene     | 50.2                   |                    | 50.00     |             | 101                             | 66.8     | 124       |                      | 0    |          |      |
| Surr: Dibromofluoromethane        | 51.6                   |                    | 50.00     |             | 103                             | 72.1     | 122       |                      | 0    |          |      |
| Surr: Toluene-d8                  | 50.7                   |                    | 50.00     |             | 101                             | 62.1     | 129       |                      | 0    |          |      |

|                                  |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|----------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>1307152-015AMS</b> | SampType: <b>MS</b>    | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
| Client ID: <b>SP-02-072313</b>   | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189003</b> |          |      |
| Analyte                          | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride                   | 16.7                   | 0.200              | 20.00     | 0           | 83.3 | 45.6                            | 149       |             |                      |          |      |
| 1,1-Dichloroethene               | 21.5                   | 1.00               | 20.00     | 0           | 108  | 58.2                            | 146       |             |                      |          |      |
| trans-1,2-Dichloroethene         | 21.4                   | 1.00               | 20.00     | 0           | 107  | 69                              | 132       |             |                      |          |      |
| 1,1-Dichloroethane               | 21.8                   | 1.00               | 20.00     | 0           | 109  | 74.7                            | 133       |             |                      |          |      |
| cis-1,2-Dichloroethene           | 20.5                   | 1.00               | 20.00     | 0.8900      | 98.0 | 67.1                            | 123       |             |                      |          |      |
| Trichloroethane (TCA)            | 22.1                   | 1.00               | 20.00     | 0           | 111  | 64.2                            | 146       |             |                      |          |      |
| 1,2-Dichloroethane               | 22.2                   | 1.00               | 20.00     | 0           | 111  | 62.3                            | 130       |             |                      |          |      |
| Benzene                          | 21.6                   | 1.00               | 20.00     | 0           | 108  | 68.7                            | 132       |             |                      |          |      |
| Trichloroethene (TCE)            | 21.3                   | 1.00               | 20.00     | 0           | 106  | 65.7                            | 133       |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                               |                 |             |           |             |                          |          |           |               |      |          |      |
|-------------------------------|-----------------|-------------|-----------|-------------|--------------------------|----------|-----------|---------------|------|----------|------|
| Sample ID: 1307152-015AMS     | SampType: MS    | Units: µg/L |           |             | Prep Date: 7/26/2013     |          |           | RunNo: 9405   |      |          |      |
| Client ID: SP-02-072313       | Batch ID: R9405 |             |           |             | Analysis Date: 7/26/2013 |          |           | SeqNo: 189003 |      |          |      |
| Analyte                       | Result          | RL          | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | RPD Ref Val   | %RPD | RPDLimit | Qual |
| Toluene                       | 21.2            | 1.00        | 20.00     | 0           | 106                      | 68.4     | 133       |               |      |          |      |
| 1,1,2-Trichloroethane         | 21.4            | 1.00        | 20.00     | 0           | 107                      | 59.4     | 127       |               |      |          |      |
| Tetrachloroethene (PCE)       | 21.6            | 1.00        | 20.00     | 0           | 108                      | 51.5     | 109       |               |      |          |      |
| Ethylbenzene                  | 20.8            | 1.00        | 20.00     | 0           | 104                      | 67.3     | 135       |               |      |          |      |
| m,p-Xylene                    | 42.5            | 1.00        | 40.00     | 0           | 106                      | 63.3     | 135       |               |      |          |      |
| o-Xylene                      | 21.0            | 1.00        | 20.00     | 0           | 105                      | 67.8     | 131       |               |      |          |      |
| 1,1,2,2-Tetrachloroethane     | 22.0            | 1.00        | 20.00     | 0           | 110                      | 59.1     | 137       |               |      |          |      |
| 1,2,4-Trimethylbenzene        | 20.2            | 1.00        | 20.00     | 0           | 101                      | 63.7     | 132       |               |      |          |      |
| Naphthalene                   | 20.0            | 1.00        | 20.00     | 0           | 100                      | 58.7     | 119       |               |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.9            |             | 50.00     |             | 102                      | 66.8     | 124       |               |      |          |      |
| Surr: Dibromofluoromethane    | 50.1            |             | 50.00     |             | 100                      | 72.1     | 122       |               |      |          |      |
| Surr: Toluene-d8              | 50.2            |             | 50.00     |             | 100                      | 62.1     | 129       |               |      |          |      |

| Sample ID: <b>LCS-R9405</b> | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
|-----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>LCSW</b>      | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189020</b> |          |      |
| Analyte                     | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride              | 14.8                   | 0.200              | 20.00     | 0           | 74.2 | 56.2                            | 130       |             |                      |          |      |
| 1,1-Dichloroethene          | 18.8                   | 1.00               | 20.00     | 0           | 94.2 | 60.7                            | 146       |             |                      |          |      |
| trans-1,2-Dichloroethene    | 19.7                   | 1.00               | 20.00     | 0           | 98.4 | 71.3                            | 129       |             |                      |          |      |
| 1,1-Dichloroethane          | 19.7                   | 1.00               | 20.00     | 0           | 98.6 | 71.3                            | 129       |             |                      |          |      |
| cis-1,2-Dichloroethene      | 19.0                   | 1.00               | 20.00     | 0           | 95.2 | 67.5                            | 127       |             |                      |          |      |
| Trichloroethane (TCA)       | 19.5                   | 1.00               | 20.00     | 0           | 97.4 | 67.9                            | 134       |             |                      |          |      |
| 1,2-Dichloroethane          | 19.1                   | 1.00               | 20.00     | 0           | 95.5 | 65.8                            | 126       |             |                      |          |      |
| Benzene                     | 19.2                   | 1.00               | 20.00     | 0           | 96.2 | 75.2                            | 124       |             |                      |          |      |
| Trichloroethene (TCE)       | 19.4                   | 1.00               | 20.00     | 0           | 96.8 | 71.9                            | 130       |             |                      |          |      |
| Toluene                     | 19.2                   | 1.00               | 20.00     | 0           | 96.0 | 75.2                            | 129       |             |                      |          |      |
| 1,1,2-Trichloroethane       | 19.8                   | 1.00               | 20.00     | 0           | 98.9 | 65.4                            | 128       |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>LCS-R9405</b>   | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9405</b>   |      |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>LCSW</b>        | Batch ID: <b>R9405</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189020</b> |      |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Tetrachloroethene (PCE)       | 19.6                   | 1.00               | 20.00     | 0           | 98.2                            | 52.4     | 140       |                      |      |          |      |
| Ethylbenzene                  | 19.4                   | 1.00               | 20.00     | 0           | 96.9                            | 78       | 127       |                      |      |          |      |
| m,p-Xylene                    | 38.9                   | 1.00               | 40.00     | 0           | 97.2                            | 77.5     | 130       |                      |      |          |      |
| o-Xylene                      | 19.2                   | 1.00               | 20.00     | 0           | 95.8                            | 77.6     | 126       |                      |      |          |      |
| 1,1,2,2-Tetrachloroethane     | 19.4                   | 1.00               | 20.00     | 0           | 97.0                            | 68       | 134       |                      |      |          |      |
| 1,2,4-Trimethylbenzene        | 19.2                   | 1.00               | 20.00     | 0           | 96.0                            | 72.3     | 133       |                      |      |          |      |
| Naphthalene                   | 18.1                   | 1.00               | 20.00     | 0           | 90.7                            | 58.2     | 140       |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.6                   |                    | 50.00     |             | 101                             | 66.8     | 124       |                      |      |          |      |
| Surr: Dibromofluoromethane    | 50.3                   |                    | 50.00     |             | 101                             | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8              | 49.8                   |                    | 50.00     |             | 99.6                            | 62.1     | 129       |                      |      |          |      |

| Sample ID: <b>MB-R9405</b> | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9405</b>   |      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9405</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189021</b> |      |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Vinyl chloride             | ND                     | 0.200              |           |             |                                 |          |           |                      |      |          |      |
| 1,1-Dichloroethene         | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| trans-1,2-Dichloroethene   | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,1-Dichloroethane         | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| cis-1,2-Dichloroethene     | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Trichloroethane (TCA)      | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,2-Dichloroethane         | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Benzene                    | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Trichloroethene (TCE)      | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Toluene                    | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,1,2-Trichloroethane      | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Tetrachloroethene (PCE)    | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Ethylbenzene               | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/30/2013

Work Order: 1307152  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                               |                        |                    |           |             |                                 |          |           |                      |      |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>MB-R9405</b>    | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9405</b>   |      |          |      |
| Client ID: <b>MBLKW</b>       | Batch ID: <b>R9405</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189021</b> |      |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| m,p-Xylene                    | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| o-Xylene                      | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,1,2,2-Tetrachloroethane     | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,2,4-Trimethylbenzene        | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Naphthalene                   | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 49.9                   |                    | 50.00     |             | 99.8                            | 66.8     | 124       |                      |      |          |      |
| Surr: Dibromofluoromethane    | 50.4                   |                    | 50.00     |             | 101                             | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8              | 50.0                   |                    | 50.00     |             | 100                             | 62.1     | 129       |                      |      |          |      |

|                               |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>CCV-R9405C</b>  | SampType: <b>CCV</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/27/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
| Client ID: <b>CCV</b>         | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/27/2013</b> |           |             | SeqNo: <b>189035</b> |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| trans-1,2-Dichloroethene      | 20.0                   | 1.00               | 20.00     | 0           | 100  | 80                              | 120       |             |                      |          |      |
| cis-1,2-Dichloroethene        | 20.0                   | 1.00               | 20.00     | 0           | 100  | 80                              | 120       |             |                      |          |      |
| Toluene                       | 20.2                   | 1.00               | 20.00     | 0           | 101  | 80                              | 120       |             |                      |          |      |
| Tetrachloroethene (PCE)       | 20.8                   | 1.00               | 20.00     | 0           | 104  | 80                              | 120       |             |                      |          |      |
| Ethylbenzene                  | 19.6                   | 1.00               | 20.00     | 0           | 98.2 | 80                              | 120       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.6                   |                    | 50.00     |             | 101  | 66.8                            | 124       |             |                      |          |      |
| Surr: Dibromofluoromethane    | 51.0                   |                    | 50.00     |             | 102  | 72.1                            | 122       |             |                      |          |      |
| Surr: Toluene-d8              | 50.9                   |                    | 50.00     |             | 102  | 62.1                            | 129       |             |                      |          |      |

|                               |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>CCV-R9405D</b>  | SampType: <b>CCV</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/30/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
| Client ID: <b>CCV</b>         | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/30/2013</b> |           |             | SeqNo: <b>189036</b> |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride                | 20.1                   | 0.200              | 20.00     | 0           | 101  | 80                              | 120       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.3                   |                    | 50.00     |             | 101  | 66.8                            | 124       |             |                      |          |      |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |

**Work Order:** 1307152  
**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

|                              |        |                        |           |             |                                 |          |                             |                      |      |                    |      |  |
|------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|----------------------|------|--------------------|------|--|
| Sample ID: <b>CCV-R9405D</b> |        | SampType: <b>CCV</b>   |           |             | Units: <b>µg/L</b>              |          | Prep Date: <b>7/30/2013</b> |                      |      | RunNo: <b>9405</b> |      |  |
| Client ID: <b>CCV</b>        |        | Batch ID: <b>R9405</b> |           |             | Analysis Date: <b>7/30/2013</b> |          |                             | SeqNo: <b>189036</b> |      |                    |      |  |
| Analyte                      | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val          | %RPD | RPDLimit           | Qual |  |

|                            |      |  |       |  |      |      |     |  |  |  |  |
|----------------------------|------|--|-------|--|------|------|-----|--|--|--|--|
| Surr: Dibromofluoromethane | 49.0 |  | 50.00 |  | 98.0 | 72.1 | 122 |  |  |  |  |
| Surr: Toluene-d8           | 49.4 |  | 50.00 |  | 98.7 | 62.1 | 129 |  |  |  |  |

|                              |        |                        |           |             |                    |          |                             |                                 |      |                    |                      |  |
|------------------------------|--------|------------------------|-----------|-------------|--------------------|----------|-----------------------------|---------------------------------|------|--------------------|----------------------|--|
| Sample ID: <b>CCV-R9410B</b> |        | SampType: <b>CCV</b>   |           |             | Units: <b>µg/L</b> |          | Prep Date: <b>7/29/2013</b> |                                 |      | RunNo: <b>9410</b> |                      |  |
| Client ID: <b>CCV</b>        |        | Batch ID: <b>R9410</b> |           |             |                    |          |                             | Analysis Date: <b>7/29/2013</b> |      |                    | SeqNo: <b>189188</b> |  |
| Analyte                      | Result | RL                     | SPK value | SPK Ref Val | %REC               | LowLimit | HighLimit                   | RPD Ref Val                     | %RPD | RPDLimit           | Qual                 |  |

|                               |      |       |       |   |      |      |     |  |  |  |  |
|-------------------------------|------|-------|-------|---|------|------|-----|--|--|--|--|
| Vinyl chloride                | 18.6 | 0.200 | 20.00 | 0 | 93.0 | 80   | 120 |  |  |  |  |
| Surr: Dibromofluoromethane    | 46.8 |       | 50.00 |   | 93.5 | 72.1 | 122 |  |  |  |  |
| Surr: Toluene-d8              | 47.9 |       | 50.00 |   | 95.8 | 62.1 | 129 |  |  |  |  |
| Surr: 1-Bromo-4-fluorobenzene | 50.6 |       | 50.00 |   | 101  | 66.8 | 124 |  |  |  |  |

|                    |   |                                                    |    |                                            |    |                                                 |
|--------------------|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
|                    | R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



## Sample Log-In Check List

Client Name: **FS**  
Logged by: **Chelsea Ward**

Work Order Number: **1307152**  
Date Received: **7/23/2013 3:41:00 PM**

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
2. How was the sample delivered? Client

### Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐  
4. Shipping container/cooler in good condition? Yes ☒ No ☐  
5. Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Required ☒  
6. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
7. Were all coolers received at a temperature of  $>0^{\circ}\text{C}$  to  $10.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐  
8. Sample(s) in proper container(s)? Yes ☒ No ☐  
9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
10. Are samples properly preserved? Yes ☒ No ☐  
11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
12. Is the headspace in the VOA vials? Yes ☐ No ☒ NA ☐  
13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐  
14. Does paperwork match bottle labels? Yes ☒ No ☐  
15. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
16. Is it clear what analyses were requested? Yes ☒ No ☐  
17. Were all holding times able to be met? Yes ☒ No ☐

### Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:  Date:   
By Whom:  Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding:   
Client Instructions:

19. Additional remarks:

### Item Information

| Item # | Temp °C | Condition |
|--------|---------|-----------|
| Cooler | 8.7     | Good      |
| Sample | 9.2     | Good      |



**Tel: 206-352-3790**  
**Fax: 206-352-7178**

Client: Floyd Snider

Address:

City, State, Zip \_\_\_\_\_  
Tel. \_\_\_\_\_Reports To (PM): Tem College

Reports To (PIN): Tem Collagen Fax: \_\_\_\_\_  
Email: tem Collagen

Reports to (PM): Tem Colligan Fax: \_\_\_\_\_  
 Email: tem.colligan@playdsmith.com Project No: K0183000

Project Name: Pop Art

|           |           |
|-----------|-----------|
| Location: | Fox Apple |
|-----------|-----------|

Collected by: JN254 C. Gallagher

### Chain of Custody Record

1307152

3

For A we

Fox April

JN2542 C. Callaghan

| Sample Name          | Sample Date | Sample Time | Sample Type (Matrix) | Comments (Depth) |
|----------------------|-------------|-------------|----------------------|------------------|
| 1. MW-5-072213       | 7/22/13     | 0836        | AB                   | 10'              |
| 2. MW-6-072213       | 7/22/13     | 0912        |                      | 40'              |
| 3. B-33A-072213      | 7/22/13     | 0948        |                      | 32'              |
| 4. B-34-072213       | 7/22/13     | 1016        |                      | 11'              |
| 5. B-65-072213       | 7/22/13     | 1058        |                      | 32'              |
| 6. B-64-072213       | 7/22/13     | 1135        |                      | 11'              |
| 7. B-61-072213       | 7/22/13     | 1404        |                      | 42'              |
| 8. B-60-072213       | 7/22/13     | 1429        |                      | 11'              |
| 9. B-58-072213       | 7/22/13     | 1505        |                      | 11'              |
| 10. R1-T09-11-072313 | 7/23/13     | 0836        |                      | 11'              |

[illegible]

| **Anions (Circle): | Nitrate | Chloride | Sulfate | Bromide | O-Phosphate | Fluoride | Urea+Nitrate |
|--------------------|---------|----------|---------|---------|-------------|----------|--------------|
|                    |         |          |         |         |             |          |              |

Sample Request: ☐ Sent to Client ☐ Discarded ☐ Not Discarded (if sample is returned after review)

Relinquished Date/Time

| Requisitioned | Date/Time | Signature                                                                           | Date/Time |
|---------------|-----------|-------------------------------------------------------------------------------------|-----------|
|               |           |  |           |

Special Requirements:

cc Tom McKee  
Tina McKee



Floyd Sullivan

Tel:

Tom Colligan

Email:

Collected by:

Email: fern.colligan@fayssender.com Project No: \_\_\_\_\_

Ko183000

Page: 2

Date: 1/23/13

307152

3

### Chain of Custody Record

[illegible]

**Metals Analysis(Circle):**

|                          |         |         |          |         |         |             |          |                 |
|--------------------------|---------|---------|----------|---------|---------|-------------|----------|-----------------|
| <b>**Anions(Circle):</b> | Nitrate | Nitrite | Chloride | Sulfate | Bromide | Diphosphate | Chloride | Nitrate+Nitrite |
|--------------------------|---------|---------|----------|---------|---------|-------------|----------|-----------------|

☐ **Return to Client**      ☐ **Disposal by Lab (All assay treatment Fairies are returned after 30 days)**

| Resequenced | Date/Time    |
|-------------|--------------|
| Done        | 7/23/13 1541 |

  

| Resequenced | Date/Time |
|-------------|-----------|
|             |           |

|          |           |
|----------|-----------|
| Author   | Date/Time |
| Received | Date/Time |

Special Remarks:

cc Tom Mckeon  
Justin West

| TAT => | Next Day | 2 Day | 3 Day | 5D |
|--------|----------|-------|-------|----|
|--------|----------|-------|-------|----|



# Fremont

ANALYTICAL

3500 Fremont Ave N.  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7278

Client: Floyd Snider

Address: \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Reports To (PMT): Tom Colligan

Fax: \_\_\_\_\_

Project Name

Location

Collected by:

\_\_\_\_\_

Email: Tom.Colligan@fremontanalytical.com Project No: K0183000

## Chain of Custody Record

Laboratory Project No. (Internal)

1307152

Page: 3

of: 3

Date: 7/23/13

Client:

Address:

City, State, Zip

Reports To (PMT):

Fax:

Sample Name

Sample Date

Sample Time

Sample Type (Matrix)

Sample

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Special Remarks:

cc: Tom McKee

Justin Nestle

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Distribution: White - Lab, Yellow - File, Pink - Originator

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# Chain of Custody Record



35025 Fremont Ave. N.  
 Seattle, WA 98103  
 Tel: 206-352-7700  
 Fax: 206-352-7178

Client: Floyd Swisher  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_

Laboratory Project No. (Internal): 1307152  
 Page: 1 of 3

Project Name: FOX Ave  
 Location: FOX Ave  
 Collected by: J. NESTER C. Callaghan

Enrollment # 1307152 Police No. K0153000

| Sample Name           | Sample Date | Sample Time | Sample Type (Matrix) | Sample ID | Sample Weight (g) | Sample Volume (L) | Sample Temperature (°C) | Sample pH | Sample Conductivity (µS/cm) | Sample Turbidity (NTU) | Sample Color (PCU) | Sample Odor | Sample Taste | Sample Smell | Sample Appearance | Sample Comments | Sample Depth |
|-----------------------|-------------|-------------|----------------------|-----------|-------------------|-------------------|-------------------------|-----------|-----------------------------|------------------------|--------------------|-------------|--------------|--------------|-------------------|-----------------|--------------|
| 1. AL-5-072213        | 7/22/13     | 0836        | AD                   |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 10'          |
| 2. AL-6-072213        | 7/22/13     | 0912        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 40'          |
| 3. B-32-072213        | 7/22/13     | 0848        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 32'          |
| 4. B-34-072213        | 7/22/13     | 1016        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 11'          |
| 5. B-65-072213        | 7/22/13     | 1058        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 32'          |
| 6. B-64-072213        | 7/22/13     | 1135        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 11'          |
| 7. B-61-072213        | 7/22/13     | 1404        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 12'          |
| 8. B-60-072213        | 7/22/13     | 1429        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 11'          |
| 9. B-58-072213        | 7/22/13     | 1505        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 11'          |
| 10. R1-Jacq-11-072313 | 7/23/13     | 0836        |                      |           |                   |                   |                         |           |                             |                        |                    |             |              |              |                   |                 | 11'          |

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Detention: Wiley, Luk, Yelow - Pils, Piro - Original



1600 Fremont Ave N  
Tolmie, WA 98593  
Tel: 206-352-3740  
Fax: 206-352-7378

# Chain of Custody Record

Laboratory Project No. (Internal): 1307152  
Page: 2 of 3

Date: 7/23/13

Client: Floyd Switzer Project Name: For Am  
Address: For Am Location: For Am  
City, State, Zip: J NESTE C Gooding Collected by: J NESTE C Gooding

Requests To: (DNI): Tom Colligan Email: Tom.Colligan@fremontanalytical.com Project No: K0193000

| Sample Name  | Sample Date | Sample Time | Sample Type (Method) | Comments/Depth          |
|--------------|-------------|-------------|----------------------|-------------------------|
| NW-12-072313 | 7/23/13     | 0935        | AG                   | 11'                     |
| RV-12-072313 | 7/23/13     | 1017        |                      | 11'                     |
| RV-12-072313 | 7/23/13     | 1117        |                      | 12'                     |
| SP-01-072313 | 7/23/13     | 1223        |                      | TDS = 6.30 ppt, Seep 1  |
| SP-02-072313 | 7/23/13     | 1228        |                      | TDS = 10.60 ppt, Seep 2 |
| SP-03-072313 | 7/23/13     | 1241        |                      | TDS = 4.40 ppt, Seep 3  |
| SP-04-072313 | 7/23/13     | 1248        |                      | TDS = 9.40 ppt, Seep 4  |
| NW-12-072313 | 7/23/13     | 1337        |                      | 11'                     |
| RV-12-072313 | 7/23/13     | 1418        |                      | 12'                     |
| DNP-1-072313 | 7/23/13     | 0800        |                      | B-35m                   |

Metal Analysis Check: ☐ Ag ☐ Al ☐ As ☐ B ☐ Ba ☐ Be ☐ Bi ☐ Br ☐ Ca ☐ Cd ☐ Co ☐ Cr ☐ Cu ☐ Fe ☐ Hg ☐ K ☐ Mg ☐ Mn ☐ Mo ☐ Ni ☐ Pb ☐ Se ☐ Si ☐ Sr ☐ Tl ☐ U ☐ V ☐ Zn

Analysis (Circle): ☐ For Am ☐ Return to Client ☐ Return to DNI ☐ Return to State ☐ Return to Lab

Signature (Client): [Signature] Date/Time: 7/23/13 1541

Signature (Lab): [Signature] Date/Time: 7/23/13 1541

Signature (DNI): [Signature] Date/Time: 7/23/13 1541

Signature (State): [Signature] Date/Time: 7/23/13 1541

Signature (Lab): [Signature] Date/Time: 7/23/13 1541

Signature (DNI): [Signature] Date/Time: 7/23/13 1541

Signature (State): [Signature] Date/Time: 7/23/13 1541

Signature (Lab): [Signature] Date/Time: 7/23/13 1541

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# Chain of Custody Record



3500 Fremont Ave. N.  
Seattle, WA 98103

Tel: 206-352-3750  
Fax: 206-352-7118

Client: Floyd Sneider

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Date: 7/23/13

Project Name: FOX Ave

Location: FOX Ave

Collected by: Tom Colligan

Laboratory Project # (Internal): 1307152

Page: 3 of 3

Project Name: FOX Ave

Location: FOX Ave

Collected by: Tom Colligan

Project No: KA18300

Reports To (Name): Tom Colligan

File: \_\_\_\_\_

| Sample Name           | Sample Date    | Sample Time | Sample Type (Matrix) | Comments/Notes                                   |
|-----------------------|----------------|-------------|----------------------|--------------------------------------------------|
| 1. <u>Drp2-072313</u> | <u>7/23/13</u> | <u>8:20</u> | <u>Ag</u>            | <u>NW-1</u>                                      |
| 2. <u>Trip Blank</u>  | <u>7/19/13</u> | <u>5:20</u> | <u>Ag</u>            | <u>Add Trip Blank - 7/31/13 per Justin Naste</u> |
| 3.                    |                |             |                      |                                                  |
| 4.                    |                |             |                      |                                                  |
| 5.                    |                |             |                      |                                                  |
| 6.                    |                |             |                      |                                                  |
| 7.                    |                |             |                      |                                                  |
| 8.                    |                |             |                      |                                                  |
| 9.                    |                |             |                      |                                                  |
| 10.                   |                |             |                      |                                                  |

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_



3600 Fremont Ave. N.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Floyd | Snider**  
Tom Colligan  
601 Union St., Suite 600  
Seattle, Washington 98101

**RE: Fox Ave.**  
**Lab ID: 1307158**

July 31, 2013

**Attention Tom Colligan:**

Fremont Analytical, Inc. received 17 sample(s) on 7/24/2013 for the analyses presented in the following report.

***Dissolved Gases by RSK-175***  
***Total Organic Carbon by SM 5310C***  
***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Justin Neste  
Tom McKeon

**CLIENT:** Floyd | Snider  
**Project:** Fox Ave.  
**Lab Order:** 1307158

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID  | Date/Time Collected | Date/Time Received |
|---------------|-------------------|---------------------|--------------------|
| 1307158-001   | R1-IW8-11-072413  | 07/24/2013 7:32 AM  | 07/24/2013 3:01 PM |
| 1307158-002   | R1-IW20-12-072413 | 07/24/2013 7:53 AM  | 07/24/2013 3:01 PM |
| 1307158-003   | R1-IW20-55-072413 | 07/24/2013 7:58 AM  | 07/24/2013 3:01 PM |
| 1307158-004   | R1-IW18-12-072413 | 07/24/2013 8:35 AM  | 07/24/2013 3:01 PM |
| 1307158-005   | R1-IW18-55-072413 | 07/24/2013 8:50 AM  | 07/24/2013 3:01 PM |
| 1307158-006   | R1-IW7-17-072413  | 07/24/2013 9:25 AM  | 07/24/2013 3:01 PM |
| 1307158-007   | R1-IW7-45-072413  | 07/24/2013 9:40 AM  | 07/24/2013 3:01 PM |
| 1307158-008   | R1-IW4b-50-072413 | 07/24/2013 10:15 AM | 07/24/2013 3:01 PM |
| 1307158-009   | R1-IW4a-11-072413 | 07/24/2013 10:40 AM | 07/24/2013 3:01 PM |
| 1307158-010   | R1-IW3a-12-072413 | 07/24/2013 10:48 AM | 07/24/2013 3:01 PM |
| 1307158-011   | B-59-072413       | 07/24/2013 11:18 AM | 07/24/2013 3:01 PM |
| 1307158-012   | R1-IW2-17-072413  | 07/24/2013 12:30 PM | 07/24/2013 3:01 PM |
| 1307158-013   | R1-IW2-60-072413  | 07/24/2013 12:50 PM | 07/24/2013 3:01 PM |
| 1307158-014   | R1-IW15-12-072413 | 07/24/2013 1:10 PM  | 07/24/2013 3:01 PM |
| 1307158-015   | R1-IW15-55-072413 | 07/24/2013 1:30 PM  | 07/24/2013 3:01 PM |
| 1307158-016   | DUP3-072413       | 07/24/2013 8:00 AM  | 07/24/2013 3:01 PM |
| 1307158-017   | Trip Blank        | 07/23/2013 3:40 PM  | 07/24/2013 3:01 PM |

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**CLIENT:** Floyd | Snider**Project:** Fox Ave.

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**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 7:32:00 AM

Project: Fox Ave.

Lab ID: 1307158-001

Matrix: Water

Client Sample ID: R1-IW8-11-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Dissolved Gases by RSK-175

Batch ID: R9402

Analyst: BR

|         |      |         |   |      |    |                       |
|---------|------|---------|---|------|----|-----------------------|
| Methane | 1.74 | 0.0500  | D | mg/L | 10 | 7/29/2013 11:50:00 AM |
| Ethene  | ND   | 0.00500 |   | mg/L | 1  | 7/29/2013 11:06:00 AM |
| Ethane  | ND   | 0.00500 |   | mg/L | 1  | 7/29/2013 11:06:00 AM |

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9405

Analyst: EM

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | 21.9 | 0.200    |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| cis-1,2-Dichloroethene        | 17.0 | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Benzene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Trichloroethene (TCE)         | 2.11 | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Toluene                       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Tetrachloroethene (PCE)       | 3.42 | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Ethylbenzene                  | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| m,p-Xylene                    | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| o-Xylene                      | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 5:15:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 89.9 | 66.8-124 |  | %REC | 1 | 7/26/2013 5:15:00 PM |
| Surr: Dibromofluoromethane    | 100  | 72.1-122 |  | %REC | 1 | 7/26/2013 5:15:00 PM |
| Surr: Toluene-d8              | 104  | 62.1-129 |  | %REC | 1 | 7/26/2013 5:15:00 PM |

## Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |       |     |   |      |      |                      |
|----------------------|-------|-----|---|------|------|----------------------|
| Total Organic Carbon | 7,040 | 500 | D | mg/L | 1000 | 7/30/2013 9:18:41 PM |
|----------------------|-------|-----|---|------|------|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 7:53:00 AM

Project: Fox Ave.

Lab ID: 1307158-002

Matrix: Water

Client Sample ID: R1-IW20-12-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 280  | 2.00     | D | µg/L | 10 | 7/29/2013 3:35:00 PM |
| 1,1-Dichloroethene            | 1.31 | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| trans-1,2-Dichloroethene      | 2.31 | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| cis-1,2-Dichloroethene        | 130  | 10.0     | D | µg/L | 10 | 7/29/2013 3:35:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:08:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 99.3 | 66.8-124 |   | %REC | 1  | 7/26/2013 6:08:00 PM |
| Surr: Dibromofluoromethane    | 98.3 | 72.1-122 |   | %REC | 1  | 7/26/2013 6:08:00 PM |
| Surr: Toluene-d8              | 100  | 62.1-129 |   | %REC | 1  | 7/26/2013 6:08:00 PM |

### Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |      |       |  |      |   |                      |
|----------------------|------|-------|--|------|---|----------------------|
| Total Organic Carbon | 8.83 | 0.500 |  | mg/L | 1 | 7/31/2013 9:47:39 AM |
|----------------------|------|-------|--|------|---|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 7:58:00 AM

Project: Fox Ave.

Lab ID: 1307158-003

Matrix: Water

Client Sample ID: R1-IW20-55-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 213  | 2.00     | D | µg/L | 10 | 7/29/2013 4:02:00 PM |
| 1,1-Dichloroethene            | 2.08 | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| trans-1,2-Dichloroethene      | 2.44 | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| cis-1,2-Dichloroethene        | 140  | 10.0     | D | µg/L | 10 | 7/29/2013 4:02:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:01:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 98.6 | 66.8-124 |   | %REC | 1  | 7/26/2013 7:01:00 PM |
| Surr: Dibromofluoromethane    | 102  | 72.1-122 |   | %REC | 1  | 7/26/2013 7:01:00 PM |
| Surr: Toluene-d8              | 101  | 62.1-129 |   | %REC | 1  | 7/26/2013 7:01:00 PM |

**Total Organic Carbon by SM 5310C**

Batch ID: R9433

Analyst: PH

|                      |     |      |   |      |     |                       |
|----------------------|-----|------|---|------|-----|-----------------------|
| Total Organic Carbon | 436 | 50.0 | D | mg/L | 100 | 7/30/2013 10:20:12 PM |
|----------------------|-----|------|---|------|-----|-----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 8:35:00 AM

Project: Fox Ave.

Lab ID: 1307158-004

Matrix: Water

Client Sample ID: R1-IW18-12-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 208  | 2.00     | D | µg/L | 10 | 7/29/2013 4:30:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| 1,1-Dichloroethane            | 2.31 | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| cis-1,2-Dichloroethene        | 23.1 | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Trichloroethene (TCE)         | 2.48 | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 7:54:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 98.6 | 66.8-124 |   | %REC | 1  | 7/26/2013 7:54:00 PM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |   | %REC | 1  | 7/26/2013 7:54:00 PM |
| Surr: Toluene-d8              | 99.9 | 62.1-129 |   | %REC | 1  | 7/26/2013 7:54:00 PM |

### Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |      |       |  |      |   |                       |
|----------------------|------|-------|--|------|---|-----------------------|
| Total Organic Carbon | 7.43 | 0.500 |  | mg/L | 1 | 7/31/2013 10:09:16 AM |
|----------------------|------|-------|--|------|---|-----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 8:50:00 AM

Project: Fox Ave.

Lab ID: 1307158-005

Matrix: Water

Client Sample ID: R1-IW18-55-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 262  | 2.00     | D | µg/L | 10 | 7/29/2013 4:57:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| trans-1,2-Dichloroethene      | 1.21 | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| 1,1-Dichloroethane            | 1.68 | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| cis-1,2-Dichloroethene        | 13.3 | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Trichloroethene (TCE)         | 1.05 | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 8:48:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |   | %REC | 1  | 7/26/2013 8:48:00 PM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |   | %REC | 1  | 7/26/2013 8:48:00 PM |
| Surr: Toluene-d8              | 99.8 | 62.1-129 |   | %REC | 1  | 7/26/2013 8:48:00 PM |

**Total Organic Carbon by SM 5310C**

Batch ID: R9433

Analyst: PH

|                      |      |       |  |      |   |                       |
|----------------------|------|-------|--|------|---|-----------------------|
| Total Organic Carbon | 6.65 | 0.500 |  | mg/L | 1 | 7/31/2013 10:30:39 AM |
|----------------------|------|-------|--|------|---|-----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 9:25:00 AM

Project: Fox Ave.

Lab ID: 1307158-006

Matrix: Water

Client Sample ID: R1-IW7-17-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 59.6 | 2.00     | D | µg/L | 10 | 7/29/2013 5:24:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| 1,1-Dichloroethane            | 10.8 | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| cis-1,2-Dichloroethene        | 9.03 | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Benzene                       | 21.8 | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Toluene                       | 103  | 10.0     | D | µg/L | 10 | 7/29/2013 5:24:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Ethylbenzene                  | 106  | 10.0     | D | µg/L | 10 | 7/29/2013 5:24:00 PM |
| m,p-Xylene                    | 49.5 | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| o-Xylene                      | 45.1 | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| 1,2,4-Trimethylbenzene        | 45.8 | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Naphthalene                   | 9.76 | 1.00     |   | µg/L | 1  | 7/26/2013 9:41:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |   | %REC | 1  | 7/26/2013 9:41:00 PM |
| Surr: Dibromofluoromethane    | 99.6 | 72.1-122 |   | %REC | 1  | 7/26/2013 9:41:00 PM |
| Surr: Toluene-d8              | 102  | 62.1-129 |   | %REC | 1  | 7/26/2013 9:41:00 PM |

## Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |      |      |   |      |    |                       |
|----------------------|------|------|---|------|----|-----------------------|
| Total Organic Carbon | 96.8 | 10.0 | D | mg/L | 20 | 7/31/2013 12:09:25 PM |
|----------------------|------|------|---|------|----|-----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 9:40:00 AM

Project: Fox Ave.

Lab ID: 1307158-007

Matrix: Water

Client Sample ID: R1-IW7-45-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 61.6 | 2.00     | D | µg/L | 10 | 7/29/2013 5:52:00 PM  |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| 1,1-Dichloroethane            | 10.7 | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| cis-1,2-Dichloroethene        | 7.04 | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Benzene                       | 21.5 | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Toluene                       | 104  | 10.0     | D | µg/L | 10 | 7/29/2013 5:52:00 PM  |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Ethylbenzene                  | 104  | 10.0     | D | µg/L | 10 | 7/29/2013 5:52:00 PM  |
| m,p-Xylene                    | 49.5 | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| o-Xylene                      | 43.9 | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| 1,2,4-Trimethylbenzene        | 44.6 | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Naphthalene                   | 9.83 | 1.00     |   | µg/L | 1  | 7/26/2013 10:34:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 103  | 66.8-124 |   | %REC | 1  | 7/26/2013 10:34:00 PM |
| Surr: Dibromofluoromethane    | 101  | 72.1-122 |   | %REC | 1  | 7/26/2013 10:34:00 PM |
| Surr: Toluene-d8              | 101  | 62.1-129 |   | %REC | 1  | 7/26/2013 10:34:00 PM |

## Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |      |      |   |      |    |                      |
|----------------------|------|------|---|------|----|----------------------|
| Total Organic Carbon | 93.9 | 10.0 | D | mg/L | 20 | 7/31/2013 3:29:48 PM |
|----------------------|------|------|---|------|----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 10:15:00 AM

Project: Fox Ave.

Lab ID: 1307158-008

Matrix: Water

Client Sample ID: R1-IW4b-50-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 55.1 | 2.00     | D | µg/L | 10 | 7/29/2013 6:19:00 PM  |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| trans-1,2-Dichloroethene      | 1.59 | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| cis-1,2-Dichloroethene        | 138  | 10.0     | D | µg/L | 10 | 7/29/2013 6:19:00 PM  |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| Benzene                       | 2.94 | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| Toluene                       | 7.19 | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| Ethylbenzene                  | 3.10 | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| m,p-Xylene                    | 1.59 | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| o-Xylene                      | 1.38 | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| Naphthalene                   | 1.37 | 1.00     |   | µg/L | 1  | 7/26/2013 11:27:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |   | %REC | 1  | 7/26/2013 11:27:00 PM |
| Surr: Dibromofluoromethane    | 102  | 72.1-122 |   | %REC | 1  | 7/26/2013 11:27:00 PM |
| Surr: Toluene-d8              | 99.2 | 62.1-129 |   | %REC | 1  | 7/26/2013 11:27:00 PM |

**Total Organic Carbon by SM 5310C**

Batch ID: R9433

Analyst: PH

|                      |     |      |   |      |    |                      |
|----------------------|-----|------|---|------|----|----------------------|
| Total Organic Carbon | 135 | 10.0 | D | mg/L | 20 | 7/31/2013 3:51:38 PM |
|----------------------|-----|------|---|------|----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 10:40:00 AM

Project: Fox Ave.

Lab ID: 1307158-009

Matrix: Water

Client Sample ID: R1-IW4a-11-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Dissolved Gases by RSK-175

Batch ID: R9402

Analyst: BR

|         |      |         |   |      |    |                       |
|---------|------|---------|---|------|----|-----------------------|
| Methane | 2.66 | 0.100   | D | mg/L | 20 | 7/29/2013 11:53:00 AM |
| Ethene  | ND   | 0.00500 |   | mg/L | 1  | 7/29/2013 11:09:00 AM |
| Ethane  | ND   | 0.00500 |   | mg/L | 1  | 7/29/2013 11:09:00 AM |

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |       |          |   |      |    |                      |
|-------------------------------|-------|----------|---|------|----|----------------------|
| Vinyl chloride                | 106   | 10.0     | D | µg/L | 50 | 7/29/2013 6:47:00 PM |
| 1,1-Dichloroethene            | ND    | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| trans-1,2-Dichloroethene      | 23.4  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| 1,1-Dichloroethane            | 1.19  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| cis-1,2-Dichloroethene        | 1,540 | 50.0     | D | µg/L | 50 | 7/29/2013 6:47:00 PM |
| Trichloroethane (TCA)         | ND    | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| 1,2-Dichloroethane            | ND    | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| Benzene                       | 7.18  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| Trichloroethene (TCE)         | 5.44  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| Toluene                       | 32.4  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| 1,1,2-Trichloroethane         | ND    | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| Tetrachloroethene (PCE)       | ND    | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| Ethylbenzene                  | 13.0  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| m,p-Xylene                    | 8.98  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| o-Xylene                      | 5.76  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND    | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| 1,2,4-Trimethylbenzene        | 4.99  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| Naphthalene                   | 3.10  | 1.00     |   | µg/L | 1  | 7/26/2013 5:54:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 98.3  | 66.8-124 |   | %REC | 1  | 7/26/2013 5:54:00 PM |
| Surr: Dibromofluoromethane    | 94.5  | 72.1-122 |   | %REC | 1  | 7/26/2013 5:54:00 PM |
| Surr: Toluene-d8              | 95.5  | 62.1-129 |   | %REC | 1  | 7/26/2013 5:54:00 PM |

## Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |     |      |   |      |    |                      |
|----------------------|-----|------|---|------|----|----------------------|
| Total Organic Carbon | 153 | 10.0 | D | mg/L | 20 | 7/31/2013 4:13:58 PM |
|----------------------|-----|------|---|------|----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 10:48:00 AM

Project: Fox Ave.

Lab ID: 1307158-010

Matrix: Water

Client Sample ID: R1-IW3a-12-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 24.4 | 0.200    |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| trans-1,2-Dichloroethene      | 47.1 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| cis-1,2-Dichloroethene        | 793  | 20.0     | D | µg/L | 20 | 7/27/2013 6:10:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| Benzene                       | 2.52 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| Trichloroethene (TCE)         | 52.2 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| Toluene                       | 28.3 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| Tetrachloroethene (PCE)       | 7.22 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| Ethylbenzene                  | 7.04 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| m,p-Xylene                    | 3.62 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| o-Xylene                      | 1.63 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| 1,2,4-Trimethylbenzene        | 9.07 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| Naphthalene                   | 1.27 | 1.00     |   | µg/L | 1  | 7/26/2013 6:31:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 97.0 | 66.8-124 |   | %REC | 1  | 7/26/2013 6:31:00 AM |
| Surr: Dibromofluoromethane    | 93.8 | 72.1-122 |   | %REC | 1  | 7/26/2013 6:31:00 AM |
| Surr: Toluene-d8              | 95.7 | 62.1-129 |   | %REC | 1  | 7/26/2013 6:31:00 AM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 11:18:00 AM

Project: Fox Ave.

Lab ID: 1307158-011

Matrix: Water

Client Sample ID: B-59-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 2.97 | 0.200    |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| trans-1,2-Dichloroethene      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| cis-1,2-Dichloroethene        | 2.25 | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Toluene                       | 117  | 10.0     | D | µg/L | 10 | 7/29/2013 7:14:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 6:49:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 97.5 | 66.8-124 |   | %REC | 1  | 7/26/2013 6:49:00 PM |
| Surr: Dibromofluoromethane    | 95.7 | 72.1-122 |   | %REC | 1  | 7/26/2013 6:49:00 PM |
| Surr: Toluene-d8              | 96.8 | 62.1-129 |   | %REC | 1  | 7/26/2013 6:49:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 12:30:00 PM

Project: Fox Ave.

Lab ID: 1307158-012

Matrix: Water

Client Sample ID: R1-IW2-17-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |  |      |   |                      |
|-------------------------------|------|----------|--|------|---|----------------------|
| Vinyl chloride                | 43.1 | 0.200    |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| trans-1,2-Dichloroethene      | 2.79 | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| cis-1,2-Dichloroethene        | 46.6 | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Trichloroethane (TCA)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Benzene                       | 1.62 | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Toluene                       | 16.8 | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Ethylbenzene                  | 1.30 | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| m,p-Xylene                    | 1.10 | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| o-Xylene                      | 1.39 | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Naphthalene                   | ND   | 1.00     |  | µg/L | 1 | 7/26/2013 9:08:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |  | %REC | 1 | 7/26/2013 9:08:00 PM |
| Surr: Dibromofluoromethane    | 96.6 | 72.1-122 |  | %REC | 1 | 7/26/2013 9:08:00 PM |
| Surr: Toluene-d8              | 99.3 | 62.1-129 |  | %REC | 1 | 7/26/2013 9:08:00 PM |

### Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |      |      |   |      |    |                      |
|----------------------|------|------|---|------|----|----------------------|
| Total Organic Carbon | 99.9 | 10.0 | D | mg/L | 20 | 7/31/2013 2:03:15 PM |
|----------------------|------|------|---|------|----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 12:50:00 PM

Project: Fox Ave.

Lab ID: 1307158-013

Matrix: Water

Client Sample ID: R1-IW2-60-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 62.0 | 2.00     | D | µg/L | 10 | 7/29/2013 7:42:00 PM  |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| trans-1,2-Dichloroethene      | 4.07 | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| 1,1-Dichloroethane            | 1.02 | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| cis-1,2-Dichloroethene        | 103  | 10.0     | D | µg/L | 10 | 7/29/2013 7:42:00 PM  |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| Benzene                       | 1.67 | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| Toluene                       | 18.0 | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:03:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 97.3 | 66.8-124 |   | %REC | 1  | 7/26/2013 10:03:00 PM |
| Surr: Dibromofluoromethane    | 95.9 | 72.1-122 |   | %REC | 1  | 7/26/2013 10:03:00 PM |
| Surr: Toluene-d8              | 97.2 | 62.1-129 |   | %REC | 1  | 7/26/2013 10:03:00 PM |

### Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |     |      |   |      |    |                      |
|----------------------|-----|------|---|------|----|----------------------|
| Total Organic Carbon | 126 | 10.0 | D | mg/L | 20 | 7/31/2013 4:53:05 PM |
|----------------------|-----|------|---|------|----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 1:10:00 PM

Project: Fox Ave.

Lab ID: 1307158-014

Matrix: Water

Client Sample ID: R1-IW15-12-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                      |
|-------------------------------|------|----------|---|------|----|----------------------|
| Vinyl chloride                | 5.02 | 0.200    |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| 1,1-Dichloroethene            | 1.25 | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| trans-1,2-Dichloroethene      | 9.51 | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| cis-1,2-Dichloroethene        | 394  | 20.0     | D | µg/L | 20 | 7/27/2013 5:43:00 AM |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| 1,2-Dichloroethane            | 1.14 | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| Trichloroethene (TCE)         | 72.2 | 20.0     | D | µg/L | 20 | 7/27/2013 5:43:00 AM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| Tetrachloroethene (PCE)       | 52.0 | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 4:14:00 AM |
| Surr: 1-Bromo-4-fluorobenzene | 101  | 66.8-124 |   | %REC | 1  | 7/26/2013 4:14:00 AM |
| Surr: Dibromofluoromethane    | 94.5 | 72.1-122 |   | %REC | 1  | 7/26/2013 4:14:00 AM |
| Surr: Toluene-d8              | 95.2 | 62.1-129 |   | %REC | 1  | 7/26/2013 4:14:00 AM |

**Total Organic Carbon by SM 5310C**

Batch ID: R9433

Analyst: PH

|                      |     |      |   |      |     |                      |
|----------------------|-----|------|---|------|-----|----------------------|
| Total Organic Carbon | 351 | 50.0 | D | mg/L | 100 | 7/31/2013 3:46:33 AM |
|----------------------|-----|------|---|------|-----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 1:30:00 PM

Project: Fox Ave.

Lab ID: 1307158-015

Matrix: Water

Client Sample ID: R1-IW15-55-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

## Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 6.61 | 0.200    |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| trans-1,2-Dichloroethene      | 4.29 | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| cis-1,2-Dichloroethene        | 190  | 10.0     | D | µg/L | 10 | 7/29/2013 8:09:00 PM  |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| Benzene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| Trichloroethene (TCE)         | 50.8 | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| Toluene                       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| Tetrachloroethene (PCE)       | 37.2 | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| Ethylbenzene                  | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| m,p-Xylene                    | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| o-Xylene                      | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| Naphthalene                   | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 10:58:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 98.6 | 66.8-124 |   | %REC | 1  | 7/26/2013 10:58:00 PM |
| Surr: Dibromofluoromethane    | 99.1 | 72.1-122 |   | %REC | 1  | 7/26/2013 10:58:00 PM |
| Surr: Toluene-d8              | 99.1 | 62.1-129 |   | %REC | 1  | 7/26/2013 10:58:00 PM |

## Total Organic Carbon by SM 5310C

Batch ID: R9433

Analyst: PH

|                      |     |      |   |      |     |                      |
|----------------------|-----|------|---|------|-----|----------------------|
| Total Organic Carbon | 759 | 50.0 | D | mg/L | 100 | 7/31/2013 7:16:59 AM |
|----------------------|-----|------|---|------|-----|----------------------|

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



## Analytical Report

WO#: 1307158

Date Reported: 7/31/2013

Client: Floyd | Snider

Collection Date: 7/24/2013 8:00:00 AM

Project: Fox Ave.

Lab ID: 1307158-016

Matrix: Water

Client Sample ID: DUP3-072413

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

### Volatile Organic Compounds by EPA Method 8260

Batch ID: R9410

Analyst: BR

|                               |      |          |   |      |    |                       |
|-------------------------------|------|----------|---|------|----|-----------------------|
| Vinyl chloride                | 52.1 | 0.200    |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| 1,1-Dichloroethene            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| trans-1,2-Dichloroethene      | 1.47 | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| 1,1-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| cis-1,2-Dichloroethene        | 140  | 10.0     | D | µg/L | 10 | 7/29/2013 8:36:00 PM  |
| Trichloroethane (TCA)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| 1,2-Dichloroethane            | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| Benzene                       | 2.68 | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| Trichloroethene (TCE)         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| Toluene                       | 7.21 | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| 1,1,2-Trichloroethane         | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| Tetrachloroethene (PCE)       | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| Ethylbenzene                  | 3.20 | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| m,p-Xylene                    | 1.62 | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| o-Xylene                      | 1.51 | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| 1,1,2,2-Tetrachloroethane     | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| 1,2,4-Trimethylbenzene        | ND   | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| Naphthalene                   | 1.81 | 1.00     |   | µg/L | 1  | 7/26/2013 11:53:00 PM |
| Surr: 1-Bromo-4-fluorobenzene | 100  | 66.8-124 |   | %REC | 1  | 7/26/2013 11:53:00 PM |
| Surr: Dibromofluoromethane    | 95.9 | 72.1-122 |   | %REC | 1  | 7/26/2013 11:53:00 PM |
| Surr: Toluene-d8              | 95.5 | 62.1-129 |   | %REC | 1  | 7/26/2013 11:53:00 PM |

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Total Organic Carbon by SM 5310C

|                            |                        |                                 |           |                             |                                                        |
|----------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>MB-R9433</b> | SampType: <b>MBLK</b>  | Units: <b>mg/L</b>              |           | Prep Date: <b>7/31/2013</b> | RunNo: <b>9433</b>                                     |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9433</b> | Analysis Date: <b>7/31/2013</b> |           | SeqNo: <b>189710</b>        |                                                        |
| Analyte                    | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |    |       |  |  |  |
|----------------------|----|-------|--|--|--|
| Total Organic Carbon | ND | 0.500 |  |  |  |
|----------------------|----|-------|--|--|--|

|                             |                        |                                 |           |                             |                                                        |
|-----------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>LCS-R9433</b> | SampType: <b>LCS</b>   | Units: <b>mg/L</b>              |           | Prep Date: <b>7/31/2013</b> | RunNo: <b>9433</b>                                     |
| Client ID: <b>LCSW</b>      | Batch ID: <b>R9433</b> | Analysis Date: <b>7/31/2013</b> |           | SeqNo: <b>189711</b>        |                                                        |
| Analyte                     | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |      |       |       |   |      |    |     |  |  |  |
|----------------------|------|-------|-------|---|------|----|-----|--|--|--|
| Total Organic Carbon | 4.77 | 0.500 | 5.000 | 0 | 95.4 | 80 | 120 |  |  |  |
|----------------------|------|-------|-------|---|------|----|-----|--|--|--|

|                                     |                        |                                 |           |                             |                                                        |
|-------------------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>1307158-004BDUP</b>   | SampType: <b>DUP</b>   | Units: <b>mg/L</b>              |           | Prep Date: <b>7/31/2013</b> | RunNo: <b>9433</b>                                     |
| Client ID: <b>R1-IW18-12-072413</b> | Batch ID: <b>R9433</b> | Analysis Date: <b>7/31/2013</b> |           | SeqNo: <b>189724</b>        |                                                        |
| Analyte                             | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |      |       |  |  |  |  |       |       |    |  |
|----------------------|------|-------|--|--|--|--|-------|-------|----|--|
| Total Organic Carbon | 7.38 | 0.500 |  |  |  |  | 7.426 | 0.635 | 20 |  |
|----------------------|------|-------|--|--|--|--|-------|-------|----|--|

|                                     |                        |                                 |           |                             |                                                        |
|-------------------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>1307158-002BMS</b>    | SampType: <b>MS</b>    | Units: <b>mg/L</b>              |           | Prep Date: <b>7/31/2013</b> | RunNo: <b>9433</b>                                     |
| Client ID: <b>R1-IW20-12-072413</b> | Batch ID: <b>R9433</b> | Analysis Date: <b>7/31/2013</b> |           | SeqNo: <b>189725</b>        |                                                        |
| Analyte                             | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |      |       |       |       |      |    |     |  |  |  |
|----------------------|------|-------|-------|-------|------|----|-----|--|--|--|
| Total Organic Carbon | 13.5 | 0.500 | 5.000 | 8.832 | 93.6 | 70 | 130 |  |  |  |
|----------------------|------|-------|-------|-------|------|----|-----|--|--|--|

|                                     |                        |                                 |           |                             |                                                        |
|-------------------------------------|------------------------|---------------------------------|-----------|-----------------------------|--------------------------------------------------------|
| Sample ID: <b>1307158-002BMSD</b>   | SampType: <b>MSD</b>   | Units: <b>mg/L</b>              |           | Prep Date: <b>7/31/2013</b> | RunNo: <b>9433</b>                                     |
| Client ID: <b>R1-IW20-12-072413</b> | Batch ID: <b>R9433</b> | Analysis Date: <b>7/31/2013</b> |           | SeqNo: <b>189726</b>        |                                                        |
| Analyte                             | Result                 | RL                              | SPK value | SPK Ref Val                 | %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual |

|                      |      |       |       |       |      |    |     |       |       |    |
|----------------------|------|-------|-------|-------|------|----|-----|-------|-------|----|
| Total Organic Carbon | 13.6 | 0.500 | 5.000 | 8.832 | 94.6 | 70 | 130 | 13.51 | 0.369 | 30 |
|----------------------|------|-------|-------|-------|------|----|-----|-------|-------|----|

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Dissolved Gases by RSK-175

|                            |                 |                          |           |             |                      |          |           |               |      |          |      |
|----------------------------|-----------------|--------------------------|-----------|-------------|----------------------|----------|-----------|---------------|------|----------|------|
| Sample ID: 1307152-019BDUP | SampType: DUP   | Units: mg/L              |           |             | Prep Date: 7/29/2013 |          |           | RunNo: 9402   |      |          |      |
| Client ID: BATCH           | Batch ID: R9402 | Analysis Date: 7/29/2013 |           |             |                      |          |           | SeqNo: 188932 |      |          |      |
| Analyte                    | Result          | RL                       | SPK value | SPK Ref Val | %REC                 | LowLimit | HighLimit | RPD Ref Val   | %RPD | RPDLimit | Qual |
| Methane                    | 0.367           | 0.00500                  |           |             |                      |          |           | 0.3023        | 19.3 | 30       | E    |
| Ethene                     | ND              | 0.00500                  |           |             |                      |          |           | 0             | 0    | 30       | R    |
| Ethane                     | ND              | 0.00500                  |           |             |                      |          |           | 0             | 0    | 30       | R    |

**NOTES:**

R - High RPD due to low analyte concentration. In this range, high RPD's may be expected.

|                             |        |                        |           |                    |      |                             |                                 |             |                    |                      |      |
|-----------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|--------------------|----------------------|------|
| Sample ID: <b>LCS-R9402</b> |        | SampType: <b>LCS</b>   |           | Units: <b>mg/L</b> |      | Prep Date: <b>7/29/2013</b> |                                 |             | RunNo: <b>9402</b> |                      |      |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>R9402</b> |           |                    |      |                             | Analysis Date: <b>7/29/2013</b> |             |                    | SeqNo: <b>188944</b> |      |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD               | RPDLimit             | Qual |
| Methane                     | 0.459  | 0.00500                | 0.5000    | 0                  | 91.8 | 80                          | 120                             |             |                    |                      |      |
| Ethene                      | 0.460  | 0.00500                | 0.5000    | 0                  | 92.1 | 80                          | 120                             |             |                    |                      |      |
| Ethane                      | 0.458  | 0.00500                | 0.5000    | 0                  | 91.7 | 80                          | 120                             |             |                    |                      |      |

|                            |                        |                    |           |             |                                 |          |           |                      |      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>MB-R9402</b> | SampType: <b>MBLK</b>  | Units: <b>mg/L</b> |           |             | Prep Date: <b>7/29/2013</b>     |          |           | RunNo: <b>9402</b>   |      |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9402</b> |                    |           |             | Analysis Date: <b>7/29/2013</b> |          |           | SeqNo: <b>188945</b> |      |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Methane                    | ND                     | 0.00500            |           |             |                                 |          |           |                      |      |          |      |
| Ethene                     | ND                     | 0.00500            |           |             |                                 |          |           |                      |      |          |      |
| Ethane                     | ND                     | 0.00500            |           |             |                                 |          |           |                      |      |          |      |

**Qualifiers:**

|   |                                                    |
|---|----------------------------------------------------|
| B | Analyte detected in the associated Method Blank    |
| H | Holding times for preparation or analysis exceeded |
| R | RPD outside accepted recovery limits               |

|    |                                            |
|----|--------------------------------------------|
| D  | Dilution was required                      |
| J  | Analyte detected below quantitation limits |
| RL | Reporting Limit                            |

|    |                                                 |
|----|-------------------------------------------------|
| E  | Value above quantitation range                  |
| ND | Not detected at the Reporting Limit             |
| S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>1307152-014ADUP</b> | SampType: <b>DUP</b>   | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9405</b>   |      |          |      |
|-----------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>BATCH</b>           | Batch ID: <b>R9405</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189001</b> |      |          |      |
| Analyte                           | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Vinyl chloride                    | ND                     | 0.200              |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,1-Dichloroethene                | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| trans-1,2-Dichloroethene          | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,1-Dichloroethane                | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| cis-1,2-Dichloroethene            | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Trichloroethane (TCA)             | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,2-Dichloroethane                | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Benzene                           | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Trichloroethene (TCE)             | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Toluene                           | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,1,2-Trichloroethane             | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Tetrachloroethene (PCE)           | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Ethylbenzene                      | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| m,p-Xylene                        | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| o-Xylene                          | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,1,2,2-Tetrachloroethane         | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,2,4-Trimethylbenzene            | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Naphthalene                       | 6.08                   | 1.00               |           |             |                                 |          |           | 6.590                | 8.05 | 30       |      |
| Surr: 1-Bromo-4-fluorobenzene     | 50.2                   |                    | 50.00     |             | 101                             | 66.8     | 124       |                      | 0    |          |      |
| Surr: Dibromofluoromethane        | 51.6                   |                    | 50.00     |             | 103                             | 72.1     | 122       |                      | 0    |          |      |
| Surr: Toluene-d8                  | 50.7                   |                    | 50.00     |             | 101                             | 62.1     | 129       |                      | 0    |          |      |

|                                  |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|----------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>1307152-015AMS</b> | SampType: <b>MS</b>    | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
| Client ID: <b>BATCH</b>          | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189003</b> |          |      |
| Analyte                          | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride                   | 16.7                   | 0.200              | 20.00     | 0           | 83.3 | 45.6                            | 149       |             |                      |          |      |
| 1,1-Dichloroethene               | 21.5                   | 1.00               | 20.00     | 0           | 108  | 58.2                            | 146       |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: 1307152-015AMS     | SampType: MS    | Units: µg/L              |           |             |      | Prep Date: 7/26/2013 |           |             | RunNo: 9405   |          |      |
|-------------------------------|-----------------|--------------------------|-----------|-------------|------|----------------------|-----------|-------------|---------------|----------|------|
| Client ID: BATCH              | Batch ID: R9405 | Analysis Date: 7/26/2013 |           |             |      |                      |           |             | SeqNo: 189003 |          |      |
| Analyte                       | Result          | RL                       | SPK value | SPK Ref Val | %REC | LowLimit             | HighLimit | RPD Ref Val | %RPD          | RPDLimit | Qual |
| trans-1,2-Dichloroethene      | 21.4            | 1.00                     | 20.00     | 0           | 107  | 69                   | 132       |             |               |          |      |
| 1,1-Dichloroethane            | 21.8            | 1.00                     | 20.00     | 0           | 109  | 74.7                 | 133       |             |               |          |      |
| cis-1,2-Dichloroethene        | 20.5            | 1.00                     | 20.00     | 0.8900      | 98.0 | 67.1                 | 123       |             |               |          |      |
| Trichloroethane (TCA)         | 22.1            | 1.00                     | 20.00     | 0           | 111  | 64.2                 | 146       |             |               |          |      |
| 1,2-Dichloroethane            | 22.2            | 1.00                     | 20.00     | 0           | 111  | 62.3                 | 130       |             |               |          |      |
| Benzene                       | 21.6            | 1.00                     | 20.00     | 0           | 108  | 68.7                 | 132       |             |               |          |      |
| Trichloroethene (TCE)         | 21.3            | 1.00                     | 20.00     | 0           | 106  | 65.7                 | 133       |             |               |          |      |
| Toluene                       | 21.2            | 1.00                     | 20.00     | 0           | 106  | 68.4                 | 133       |             |               |          |      |
| 1,1,2-Trichloroethane         | 21.4            | 1.00                     | 20.00     | 0           | 107  | 59.4                 | 127       |             |               |          |      |
| Tetrachloroethene (PCE)       | 21.6            | 1.00                     | 20.00     | 0           | 108  | 51.5                 | 109       |             |               |          |      |
| Ethylbenzene                  | 20.8            | 1.00                     | 20.00     | 0           | 104  | 67.3                 | 135       |             |               |          |      |
| m,p-Xylene                    | 42.5            | 1.00                     | 40.00     | 0           | 106  | 63.3                 | 135       |             |               |          |      |
| o-Xylene                      | 21.0            | 1.00                     | 20.00     | 0           | 105  | 67.8                 | 131       |             |               |          |      |
| 1,1,2,2-Tetrachloroethane     | 22.0            | 1.00                     | 20.00     | 0           | 110  | 59.1                 | 137       |             |               |          |      |
| 1,2,4-Trimethylbenzene        | 20.2            | 1.00                     | 20.00     | 0           | 101  | 63.7                 | 132       |             |               |          |      |
| Naphthalene                   | 20.0            | 1.00                     | 20.00     | 0           | 100  | 58.7                 | 119       |             |               |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.9            |                          | 50.00     |             | 102  | 66.8                 | 124       |             |               |          |      |
| Surr: Dibromofluoromethane    | 50.1            |                          | 50.00     |             | 100  | 72.1                 | 122       |             |               |          |      |
| Surr: Toluene-d8              | 50.2            |                          | 50.00     |             | 100  | 62.1                 | 129       |             |               |          |      |

|                             |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|-----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>LCS-R9405</b> | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
| Client ID: <b>LCSW</b>      | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189020</b> |          |      |
| Analyte                     | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride              | 14.8                   | 0.200              | 20.00     | 0           | 74.2 | 56.2                            | 130       |             |                      |          |      |
| 1,1-Dichloroethene          | 18.8                   | 1.00               | 20.00     | 0           | 94.2 | 60.7                            | 146       |             |                      |          |      |
| trans-1,2-Dichloroethene    | 19.7                   | 1.00               | 20.00     | 0           | 98.4 | 71.3                            | 129       |             |                      |          |      |
| 1,1-Dichloroethane          | 19.7                   | 1.00               | 20.00     | 0           | 98.6 | 71.3                            | 129       |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>LCS-R9405</b>   | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>LCSW</b>        | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189020</b> |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| cis-1,2-Dichloroethene        | 19.0                   | 1.00               | 20.00     | 0           | 95.2 | 67.5                            | 127       |             |                      |          |      |
| Trichloroethane (TCA)         | 19.5                   | 1.00               | 20.00     | 0           | 97.4 | 67.9                            | 134       |             |                      |          |      |
| 1,2-Dichloroethane            | 19.1                   | 1.00               | 20.00     | 0           | 95.5 | 65.8                            | 126       |             |                      |          |      |
| Benzene                       | 19.2                   | 1.00               | 20.00     | 0           | 96.2 | 75.2                            | 124       |             |                      |          |      |
| Trichloroethene (TCE)         | 19.4                   | 1.00               | 20.00     | 0           | 96.8 | 71.9                            | 130       |             |                      |          |      |
| Toluene                       | 19.2                   | 1.00               | 20.00     | 0           | 96.0 | 75.2                            | 129       |             |                      |          |      |
| 1,1,2-Trichloroethane         | 19.8                   | 1.00               | 20.00     | 0           | 98.9 | 65.4                            | 128       |             |                      |          |      |
| Tetrachloroethene (PCE)       | 19.6                   | 1.00               | 20.00     | 0           | 98.2 | 52.4                            | 140       |             |                      |          |      |
| Ethylbenzene                  | 19.4                   | 1.00               | 20.00     | 0           | 96.9 | 78                              | 127       |             |                      |          |      |
| m,p-Xylene                    | 38.9                   | 1.00               | 40.00     | 0           | 97.2 | 77.5                            | 130       |             |                      |          |      |
| o-Xylene                      | 19.2                   | 1.00               | 20.00     | 0           | 95.8 | 77.6                            | 126       |             |                      |          |      |
| 1,1,2,2-Tetrachloroethane     | 19.4                   | 1.00               | 20.00     | 0           | 97.0 | 68                              | 134       |             |                      |          |      |
| 1,2,4-Trimethylbenzene        | 19.2                   | 1.00               | 20.00     | 0           | 96.0 | 72.3                            | 133       |             |                      |          |      |
| Naphthalene                   | 18.1                   | 1.00               | 20.00     | 0           | 90.7 | 58.2                            | 140       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.6                   |                    | 50.00     |             | 101  | 66.8                            | 124       |             |                      |          |      |
| Surr: Dibromofluoromethane    | 50.3                   |                    | 50.00     |             | 101  | 72.1                            | 122       |             |                      |          |      |
| Surr: Toluene-d8              | 49.8                   |                    | 50.00     |             | 99.6 | 62.1                            | 129       |             |                      |          |      |

|                            |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>MB-R9405</b> | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9405</b>   |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9405</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189021</b> |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride             | ND                     | 0.200              |           |             |      |                                 |           |             |                      |          |      |
| 1,1-Dichloroethene         | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| trans-1,2-Dichloroethene   | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| 1,1-Dichloroethane         | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| cis-1,2-Dichloroethene     | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| Trichloroethane (TCA)      | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>MB-R9405</b>    | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9405</b>   |      |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>       | Batch ID: <b>R9405</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189021</b> |      |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| 1,2-Dichloroethane            | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Benzene                       | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Trichloroethene (TCE)         | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Toluene                       | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,1,2-Trichloroethane         | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Tetrachloroethene (PCE)       | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Ethylbenzene                  | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| m,p-Xylene                    | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| o-Xylene                      | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,1,2,2-Tetrachloroethane     | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| 1,2,4-Trimethylbenzene        | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Naphthalene                   | ND                     | 1.00               |           |             |                                 |          |           |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 49.9                   |                    | 50.00     |             | 99.8                            | 66.8     | 124       |                      |      |          |      |
| Surr: Dibromofluoromethane    | 50.4                   |                    | 50.00     |             | 101                             | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8              | 50.0                   |                    | 50.00     |             | 100                             | 62.1     | 129       |                      |      |          |      |

|                              |        |                 |           |             |      |                          |           |             |               |          |      |
|------------------------------|--------|-----------------|-----------|-------------|------|--------------------------|-----------|-------------|---------------|----------|------|
| Sample ID: 1307158-010ADUP   |        | SampType: DUP   |           | Units: µg/L |      | Prep Date: 7/26/2013     |           |             | RunNo: 9410   |          |      |
| Client ID: R1-IW3a-12-072413 |        | Batch ID: R9410 |           |             |      | Analysis Date: 7/26/2013 |           |             | SeqNo: 189124 |          |      |
| Analyte                      | Result | RL              | SPK value | SPK Ref Val | %REC | LowLimit                 | HighLimit | RPD Ref Val | %RPD          | RPDLimit | Qual |
| Vinyl chloride               | 25.2   | 0.200           |           |             |      |                          |           | 24.45       | 3.02          | 30       |      |
| 1,1-Dichloroethene           | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| trans-1,2-Dichloroethene     | 48.1   | 1.00            |           |             |      |                          |           | 47.14       | 2.04          | 30       |      |
| 1,1-Dichloroethane           | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| cis-1,2-Dichloroethene       | 641    | 1.00            |           |             |      |                          |           | 622.8       | 2.83          | 30       | E    |
| Trichloroethane (TCA)        | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| 1,2-Dichloroethane           | ND     | 1.00            |           |             |      |                          |           | 0           | 0             | 30       |      |
| Benzene                      | 2.60   | 1.00            |           |             |      |                          |           | 2.520       | 3.13          | 30       |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

| Sample ID: <b>1307158-010ADUP</b>   | SampType: <b>DUP</b>   | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9410</b>   |      |          |      |
|-------------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>R1-IW3a-12-072413</b> | Batch ID: <b>R9410</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189124</b> |      |          |      |
| Analyte                             | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| Trichloroethene (TCE)               | 52.8                   | 1.00               |           |             |                                 |          |           | 52.16                | 1.16 | 30       |      |
| Toluene                             | 28.9                   | 1.00               |           |             |                                 |          |           | 28.27                | 2.13 | 30       |      |
| 1,1,2-Trichloroethane               | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| Tetrachloroethene (PCE)             | 7.49                   | 1.00               |           |             |                                 |          |           | 7.220                | 3.67 | 30       |      |
| Ethylbenzene                        | 7.26                   | 1.00               |           |             |                                 |          |           | 7.040                | 3.08 | 30       |      |
| m,p-Xylene                          | 3.73                   | 1.00               |           |             |                                 |          |           | 3.620                | 2.99 | 30       |      |
| o-Xylene                            | 1.68                   | 1.00               |           |             |                                 |          |           | 1.630                | 3.02 | 30       |      |
| 1,1,2,2-Tetrachloroethane           | ND                     | 1.00               |           |             |                                 |          |           | 0                    | 0    | 30       |      |
| 1,2,4-Trimethylbenzene              | 9.54                   | 1.00               |           |             |                                 |          |           | 9.070                | 5.05 | 30       |      |
| Naphthalene                         | 1.24                   | 1.00               |           |             |                                 |          |           | 1.270                | 2.39 | 30       |      |
| Surr: 1-Bromo-4-fluorobenzene       | 48.5                   |                    | 50.00     |             | 97.0                            | 66.8     | 124       |                      | 0    |          |      |
| Surr: Dibromofluoromethane          | 47.8                   |                    | 50.00     |             | 95.5                            | 72.1     | 122       |                      | 0    |          |      |
| Surr: Toluene-d8                    | 47.5                   |                    | 50.00     |             | 95.0                            | 62.1     | 129       |                      | 0    |          |      |

| Sample ID: <b>1307158-011AMS</b> | SampType: <b>MS</b>    | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9410</b>   |          |      |
|----------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>B-59-072413</b>    | Batch ID: <b>R9410</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189126</b> |          |      |
| Analyte                          | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride                   | 24.2                   | 0.200              | 20.00     | 2.970       | 106  | 45.6                            | 149       |             |                      |          |      |
| 1,1-Dichloroethene               | 21.1                   | 1.00               | 20.00     | 0           | 106  | 58.2                            | 146       |             |                      |          |      |
| trans-1,2-Dichloroethene         | 21.5                   | 1.00               | 20.00     | 0           | 107  | 69                              | 132       |             |                      |          |      |
| 1,1-Dichloroethane               | 21.8                   | 1.00               | 20.00     | 0.3800      | 107  | 74.7                            | 133       |             |                      |          |      |
| cis-1,2-Dichloroethene           | 23.2                   | 1.00               | 20.00     | 2.250       | 105  | 67.1                            | 123       |             |                      |          |      |
| Trichloroethane (TCA)            | 22.0                   | 1.00               | 20.00     | 0           | 110  | 64.2                            | 146       |             |                      |          |      |
| 1,2-Dichloroethane               | 20.9                   | 1.00               | 20.00     | 0           | 105  | 62.3                            | 130       |             |                      |          |      |
| Benzene                          | 22.2                   | 1.00               | 20.00     | 0.4900      | 108  | 68.7                            | 132       |             |                      |          |      |
| Trichloroethene (TCE)            | 21.8                   | 1.00               | 20.00     | 0           | 109  | 65.7                            | 133       |             |                      |          |      |
| Toluene                          | 136                    | 1.00               | 20.00     | 116.7       | 96.9 | 68.4                            | 133       |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

| Sample ID: <b>1307158-011AMS</b> | SampType: <b>MS</b>    | Units: <b>µg/L</b> |           |             | Prep Date: <b>7/26/2013</b>     |          |           | RunNo: <b>9410</b>   |      |          |      |
|----------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Client ID: <b>B-59-072413</b>    | Batch ID: <b>R9410</b> |                    |           |             | Analysis Date: <b>7/26/2013</b> |          |           | SeqNo: <b>189126</b> |      |          |      |
| Analyte                          | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| 1,1,2-Trichloroethane            | 20.7                   | 1.00               | 20.00     | 0           | 104                             | 59.4     | 127       |                      |      |          |      |
| Tetrachloroethene (PCE)          | 20.7                   | 1.00               | 20.00     | 0.4600      | 101                             | 51.5     | 109       |                      |      |          |      |
| Ethylbenzene                     | 21.0                   | 1.00               | 20.00     | 0           | 105                             | 67.3     | 135       |                      |      |          |      |
| m,p-Xylene                       | 41.9                   | 1.00               | 40.00     | 0           | 105                             | 63.3     | 135       |                      |      |          |      |
| o-Xylene                         | 20.7                   | 1.00               | 20.00     | 0           | 104                             | 67.8     | 131       |                      |      |          |      |
| 1,1,2,2-Tetrachloroethane        | 20.2                   | 1.00               | 20.00     | 0           | 101                             | 59.1     | 137       |                      |      |          |      |
| 1,2,4-Trimethylbenzene           | 20.6                   | 1.00               | 20.00     | 0           | 103                             | 63.7     | 132       |                      |      |          |      |
| Naphthalene                      | 20.2                   | 1.00               | 20.00     | 0           | 101                             | 58.7     | 119       |                      |      |          |      |
| Surr: Dibromofluoromethane       | 47.9                   |                    | 50.00     |             | 95.8                            | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8                 | 49.0                   |                    | 50.00     |             | 98.0                            | 62.1     | 129       |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene    | 49.3                   |                    | 50.00     |             | 98.5                            | 66.8     | 124       |                      |      |          |      |

|                             |                        |                    |           |             |      |                                 |           |             |                      |          |      |
|-----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: <b>LCS-R9410</b> | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9410</b>   |          |      |
| Client ID: <b>LCSW</b>      | Batch ID: <b>R9410</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189148</b> |          |      |
| Analyte                     | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride              | 20.7                   | 0.200              | 20.00     | 0           | 104  | 56.2                            | 130       |             |                      |          |      |
| 1,1-Dichloroethene          | 20.1                   | 1.00               | 20.00     | 0           | 101  | 60.7                            | 146       |             |                      |          |      |
| trans-1,2-Dichloroethene    | 20.1                   | 1.00               | 20.00     | 0           | 101  | 71.3                            | 129       |             |                      |          |      |
| 1,1-Dichloroethane          | 20.9                   | 1.00               | 20.00     | 0           | 105  | 71.3                            | 129       |             |                      |          |      |
| cis-1,2-Dichloroethene      | 20.5                   | 1.00               | 20.00     | 0           | 102  | 67.5                            | 127       |             |                      |          |      |
| Trichloroethane (TCA)       | 21.1                   | 1.00               | 20.00     | 0           | 105  | 67.9                            | 134       |             |                      |          |      |
| 1,2-Dichloroethane          | 20.1                   | 1.00               | 20.00     | 0           | 101  | 65.8                            | 126       |             |                      |          |      |
| Benzene                     | 20.7                   | 1.00               | 20.00     | 0           | 103  | 75.2                            | 124       |             |                      |          |      |
| Trichloroethene (TCE)       | 20.6                   | 1.00               | 20.00     | 0           | 103  | 71.9                            | 130       |             |                      |          |      |
| Toluene                     | 20.5                   | 1.00               | 20.00     | 0           | 102  | 75.2                            | 129       |             |                      |          |      |
| 1,1,2-Trichloroethane       | 19.8                   | 1.00               | 20.00     | 0           | 99.2 | 65.4                            | 128       |             |                      |          |      |
| Tetrachloroethene (PCE)     | 19.5                   | 1.00               | 20.00     | 0           | 97.4 | 52.4                            | 140       |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

| Sample ID: <b>LCS-R9410</b>   | SampType: <b>LCS</b>   | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9410</b>   |          |      |
|-------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>LCSW</b>        | Batch ID: <b>R9410</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189148</b> |          |      |
| Analyte                       | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Ethylbenzene                  | 20.7                   | 1.00               | 20.00     | 0           | 103  | 78                              | 127       |             |                      |          |      |
| m,p-Xylene                    | 41.1                   | 1.00               | 40.00     | 0           | 103  | 77.5                            | 130       |             |                      |          |      |
| o-Xylene                      | 21.5                   | 1.00               | 20.00     | 0           | 107  | 77.6                            | 126       |             |                      |          |      |
| 1,1,2,2-Tetrachloroethane     | 20.0                   | 1.00               | 20.00     | 0           | 100  | 68                              | 134       |             |                      |          |      |
| 1,2,4-Trimethylbenzene        | 20.9                   | 1.00               | 20.00     | 0           | 105  | 72.3                            | 133       |             |                      |          |      |
| Naphthalene                   | 20.0                   | 1.00               | 20.00     | 0           | 100  | 58.2                            | 140       |             |                      |          |      |
| Surr: Dibromofluoromethane    | 46.6                   |                    | 50.00     |             | 93.2 | 72.1                            | 122       |             |                      |          |      |
| Surr: Toluene-d8              | 48.1                   |                    | 50.00     |             | 96.3 | 62.1                            | 129       |             |                      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 49.8                   |                    | 50.00     |             | 99.5 | 66.8                            | 124       |             |                      |          |      |

| Sample ID: <b>MB-R9410</b> | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>7/26/2013</b>     |           |             | RunNo: <b>9410</b>   |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Client ID: <b>MBLKW</b>    | Batch ID: <b>R9410</b> |                    |           |             |      | Analysis Date: <b>7/26/2013</b> |           |             | SeqNo: <b>189149</b> |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                 | RPDLimit | Qual |
| Vinyl chloride             | ND                     | 0.200              |           |             |      |                                 |           |             |                      |          |      |
| 1,1-Dichloroethene         | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| trans-1,2-Dichloroethene   | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| 1,1-Dichloroethane         | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| cis-1,2-Dichloroethene     | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| Trichloroethane (TCA)      | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| 1,2-Dichloroethane         | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| Benzene                    | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| Trichloroethene (TCE)      | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| Toluene                    | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| 1,1,2-Trichloroethane      | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| Tetrachloroethene (PCE)    | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| Ethylbenzene               | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |
| m,p-Xylene                 | ND                     | 1.00               |           |             |      |                                 |           |             |                      |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



Date: 7/31/2013

Work Order: 1307158  
CLIENT: Floyd | Snider  
Project: Fox Ave.

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

|                               |                        |                                 |           |             |                             |          |           |                      |      |          |      |
|-------------------------------|------------------------|---------------------------------|-----------|-------------|-----------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: <b>MB-R9410</b>    | SampType: <b>MBLK</b>  | Units: <b>µg/L</b>              |           |             | Prep Date: <b>7/26/2013</b> |          |           | RunNo: <b>9410</b>   |      |          |      |
| Client ID: <b>MBLKW</b>       | Batch ID: <b>R9410</b> | Analysis Date: <b>7/26/2013</b> |           |             |                             |          |           | SeqNo: <b>189149</b> |      |          |      |
| Analyte                       | Result                 | RL                              | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | RPD Ref Val          | %RPD | RPDLimit | Qual |
| o-Xylene                      | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,1,2,2-Tetrachloroethane     | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| 1,2,4-Trimethylbenzene        | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Naphthalene                   | ND                     | 1.00                            |           |             |                             |          |           |                      |      |          |      |
| Surr: Dibromofluoromethane    | 47.0                   |                                 | 50.00     |             | 94.0                        | 72.1     | 122       |                      |      |          |      |
| Surr: Toluene-d8              | 48.4                   |                                 | 50.00     |             | 96.8                        | 62.1     | 129       |                      |      |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 49.8                   |                                 | 50.00     |             | 99.6                        | 66.8     | 124       |                      |      |          |      |

|                               |                        |                                 |           |             |      |                             |           |                      |                    |          |      |
|-------------------------------|------------------------|---------------------------------|-----------|-------------|------|-----------------------------|-----------|----------------------|--------------------|----------|------|
| Sample ID: <b>CCV-R9410B</b>  | SampType: <b>CCV</b>   | Units: <b>µg/L</b>              |           |             |      | Prep Date: <b>7/29/2013</b> |           |                      | RunNo: <b>9410</b> |          |      |
| Client ID: <b>CCV</b>         | Batch ID: <b>R9410</b> | Analysis Date: <b>7/29/2013</b> |           |             |      |                             |           | SeqNo: <b>189188</b> |                    |          |      |
| Analyte                       | Result                 | RL                              | SPK value | SPK Ref Val | %REC | LowLimit                    | HighLimit | RPD Ref Val          | %RPD               | RPDLimit | Qual |
| Vinyl chloride                | 18.6                   | 0.200                           | 20.00     | 0           | 93.0 | 80                          | 120       |                      |                    |          |      |
| cis-1,2-Dichloroethene        | 20.0                   | 1.00                            | 20.00     | 0           | 100  | 80                          | 120       |                      |                    |          |      |
| Toluene                       | 21.5                   | 1.00                            | 20.00     | 0           | 108  | 80                          | 120       |                      |                    |          |      |
| Ethylbenzene                  | 21.0                   | 1.00                            | 20.00     | 0           | 105  | 80                          | 120       |                      |                    |          |      |
| Surr: Dibromofluoromethane    | 46.8                   |                                 | 50.00     |             | 93.5 | 72.1                        | 122       |                      |                    |          |      |
| Surr: Toluene-d8              | 47.9                   |                                 | 50.00     |             | 95.8 | 62.1                        | 129       |                      |                    |          |      |
| Surr: 1-Bromo-4-fluorobenzene | 50.6                   |                                 | 50.00     |             | 101  | 66.8                        | 124       |                      |                    |          |      |

**Qualifiers:**

|   |                                                    |    |                                            |    |                                                 |
|---|----------------------------------------------------|----|--------------------------------------------|----|-------------------------------------------------|
| B | Analyte detected in the associated Method Blank    | D  | Dilution was required                      | 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             |
| R | RPD outside accepted recovery limits               | RL | Reporting Limit                            | S  | Spike recovery outside accepted recovery limits |



## Sample Log-In Check List

Client Name: **FS**  
 Logged by: **Chelsea Ward**

Work Order Number: **1307158**  
 Date Received: **7/24/2013 3:01:00 PM**

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
 2. How was the sample delivered? Client

### Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐  
 4. Shipping container/cooler in good condition? Yes ☒ No ☐  
 5. Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Required ☒  
 6. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
 7. Were all coolers received at a temperature of  $>0^{\circ}\text{C}$  to  $10.0^{\circ}\text{C}$ ? Yes ☐ No ☐ NA ☒  
 8. Sample(s) in proper container(s)? Yes ☒ No ☐  
 9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
 10. Are samples properly preserved? Yes ☒ No ☐  
 11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
 12. Is the headspace in the VOA vials? Yes ☐ No ☒ NA ☐  
 13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐  
 14. Does paperwork match bottle labels? Yes ☒ No ☐  
 15. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
 16. Is it clear what analyses were requested? Yes ☒ No ☐  
 17. Were all holding times able to be met? Yes ☒ No ☐

### Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:  Date:   
 By Whom:  Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
 Regarding:   
 Client Instructions:

19. Additional remarks:

Samples were received straight from field. See COC.

### Item Information

| Item #     | Temp °C | Condition |
|------------|---------|-----------|
| Cooler     | 8.0     | Good      |
| Temp Blank | 10.9    |           |



3600 Fremont Ave N.  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

# Chain of Custody Record

Laboratory Project No. (Internal): **1307158**  
Page: **1** of **2**

Date: **7/24/13**

Client: **Floyd Snider**

Address:

City, State, Zip

Project Name: **Fox Ave**

Location: **Fox Ave**

Collected by: **JN Wise (C. Gallagher)**

Reports To (PM): **Tom Calligan**

Fax:

Email: **Tom Calligan (C. Gallagher)** Project No. **10183000**

| Sample Name       | Sample Date | Sample Time | Sample Type (Matrix) | Location (Depth) | Comments                |
|-------------------|-------------|-------------|----------------------|------------------|-------------------------|
| R1-IW18-11-072413 | 7/24/13     | 0732        | AP                   | X                | 11'                     |
| R1-IW20-12-072413 | 7/24/13     | 0753        |                      | X                | 12' VOC by PDB          |
| R1-IW20-55-072413 | 7/24/13     | 0758        |                      | X                | 55' VOC by PDB          |
| R1-IW18-12-072413 | 7/24/13     | 0835        |                      | X                | 12' VOC by PDB          |
| R1-IW18-55-072413 | 7/24/13     | 0850        |                      | X                | 55' VOC by PDB          |
| R1-IW17-17-072413 | 7/24/13     | 0925        |                      | X                | 17' VOC by PDB          |
| R1-IW17-45-072413 | 7/24/13     | 0940        |                      | X                | 45' VOC by PDB          |
| R1-IW46-50-072413 | 7/24/13     | 1015        |                      | X                | 50' VOC by PDB          |
| R1-IW44-11-072413 | 7/24/13     | 1040        |                      | X                | 11' VOC + Discon by PDB |
| R1-IW32-12-072413 | 7/24/13     | 1048        |                      | X                | 12' VOC by PDB          |

  

| Analysis (Circle):                        | Trace                                    | Metals                                      | Chloride                                 | Sulfate                                     | Ammonia                                  | Fluoride                                    | Nitrate/Nitrite                          |
|-------------------------------------------|------------------------------------------|---------------------------------------------|------------------------------------------|---------------------------------------------|------------------------------------------|---------------------------------------------|------------------------------------------|
| <input type="checkbox"/> Return to Client | <input type="checkbox"/> Disposal by Lab | <input type="checkbox"/> Disposal by Client | <input type="checkbox"/> Disposal by Lab | <input type="checkbox"/> Disposal by Client | <input type="checkbox"/> Disposal by Lab | <input type="checkbox"/> Disposal by Client | <input type="checkbox"/> Disposal by Lab |

  

| Signature          | Date/Time    | Signature          | Date/Time    |
|--------------------|--------------|--------------------|--------------|
| <i>[Signature]</i> | 7/24/13 1501 | <i>[Signature]</i> | 7/24/13 1501 |
| Refined/Initial    | Date/Time    | Refined/Initial    | Date/Time    |
|                    |              |                    |              |

  

| Special Remarks:              |
|-------------------------------|
| cc Tom McKee<br>The Firm Note |

  

| Signature          | Date/Time    | Signature          | Date/Time    |
|--------------------|--------------|--------------------|--------------|
| <i>[Signature]</i> | 7/24/13 1501 | <i>[Signature]</i> | 7/24/13 1501 |



3600 Fremont Ave N.  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

# Chain of Custody Record

Laboratory Project No. (Interval): 307158  
Page: 2 of: 2

Client: Floyd Snider Project Name: Tom Colligan  
Address: Tom Colligan Location: Tom Colligan  
City, State, Zip: Tom Colligan Collected by: Tom Colligan  
Reports to (RM): Tom Colligan Email: Tom Colligan Project No: K0183000

| Sample Name       | Sample Date | Sample Time | Sample Type (Lab Use) | Comments/Notes |
|-------------------|-------------|-------------|-----------------------|----------------|
| B-59-072413       | 7/24/13     | 1118        | Ag                    | 27'            |
| R1-IW2-17-072413  | 7/24/13     | 1230        |                       | 17' VOC by PDB |
| R1-IW2-60-072413  | 7/24/13     | 1250        |                       | 60' VOC by PDB |
| R1-IW15-12-072413 | 7/24/13     | 1310        |                       | 12' VOC by PDB |
| R1-IW15-55-072413 | 7/24/13     | 1330        |                       | 55' VOC by PDB |
| Dup3-072413       | 7/24/13     | 1800        |                       | R1-IW46 50'    |

Special Handling: NO TOXIN PACKETS  
JUSTIN NESTLE

TAT: 2 Next Day 2 Day 3 Day 4 Day 5 Day 6 Day 7 Day 8 Day 9 Day 10 Day 11 Day 12 Day 13 Day 14 Day 15 Day 16 Day 17 Day 18 Day 19 Day 20 Day 21 Day 22 Day 23 Day 24 Day 25 Day 26 Day 27 Day 28 Day 29 Day 30 Day 31 Day 32 Day 33 Day 34 Day 35 Day 36 Day 37 Day 38 Day 39 Day 40 Day 41 Day 42 Day 43 Day 44 Day 45 Day 46 Day 47 Day 48 Day 49 Day 50 Day 51 Day 52 Day 53 Day 54 Day 55 Day 56 Day 57 Day 58 Day 59 Day 60 Day 61 Day 62 Day 63 Day 64 Day 65 Day 66 Day 67 Day 68 Day 69 Day 70 Day 71 Day 72 Day 73 Day 74 Day 75 Day 76 Day 77 Day 78 Day 79 Day 80 Day 81 Day 82 Day 83 Day 84 Day 85 Day 86 Day 87 Day 88 Day 89 Day 90 Day 91 Day 92 Day 93 Day 94 Day 95 Day 96 Day 97 Day 98 Day 99 Day 100 Day 101 Day 102 Day 103 Day 104 Day 105 Day 106 Day 107 Day 108 Day 109 Day 110 Day 111 Day 112 Day 113 Day 114 Day 115 Day 116 Day 117 Day 118 Day 119 Day 120 Day 121 Day 122 Day 123 Day 124 Day 125 Day 126 Day 127 Day 128 Day 129 Day 130 Day 131 Day 132 Day 133 Day 134 Day 135 Day 136 Day 137 Day 138 Day 139 Day 140 Day 141 Day 142 Day 143 Day 144 Day 145 Day 146 Day 147 Day 148 Day 149 Day 150 Day 151 Day 152 Day 153 Day 154 Day 155 Day 156 Day 157 Day 158 Day 159 Day 160 Day 161 Day 162 Day 163 Day 164 Day 165 Day 166 Day 167 Day 168 Day 169 Day 170 Day 171 Day 172 Day 173 Day 174 Day 175 Day 176 Day 177 Day 178 Day 179 Day 180 Day 181 Day 182 Day 183 Day 184 Day 185 Day 186 Day 187 Day 188 Day 189 Day 190 Day 191 Day 192 Day 193 Day 194 Day 195 Day 196 Day 197 Day 198 Day 199 Day 200 Day 201 Day 202 Day 203 Day 204 Day 205 Day 206 Day 207 Day 208 Day 209 Day 210 Day 211 Day 212 Day 213 Day 214 Day 215 Day 216 Day 217 Day 218 Day 219 Day 220 Day 221 Day 222 Day 223 Day 224 Day 225 Day 226 Day 227 Day 228 Day 229 Day 230 Day 231 Day 232 Day 233 Day 234 Day 235 Day 236 Day 237 Day 238 Day 239 Day 240 Day 241 Day 242 Day 243 Day 244 Day 245 Day 246 Day 247 Day 248 Day 249 Day 250 Day 251 Day 252 Day 253 Day 254 Day 255 Day 256 Day 257 Day 258 Day 259 Day 260 Day 261 Day 262 Day 263 Day 264 Day 265 Day 266 Day 267 Day 268 Day 269 Day 270 Day 271 Day 272 Day 273 Day 274 Day 275 Day 276 Day 277 Day 278 Day 279 Day 280 Day 281 Day 282 Day 283 Day 284 Day 285 Day 286 Day 287 Day 288 Day 289 Day 290 Day 291 Day 292 Day 293 Day 294 Day 295 Day 296 Day 297 Day 298 Day 299 Day 300 Day 301 Day 302 Day 303 Day 304 Day 305 Day 306 Day 307 Day 308 Day 309 Day 310 Day 311 Day 312 Day 313 Day 314 Day 315 Day 316 Day 317 Day 318 Day 319 Day 320 Day 321 Day 322 Day 323 Day 324 Day 325 Day 326 Day 327 Day 328 Day 329 Day 330 Day 331 Day 332 Day 333 Day 334 Day 335 Day 336 Day 337 Day 338 Day 339 Day 340 Day 341 Day 342 Day 343 Day 344 Day 345 Day 346 Day 347 Day 348 Day 349 Day 350 Day 351 Day 352 Day 353 Day 354 Day 355 Day 356 Day 357 Day 358 Day 359 Day 360 Day 361 Day 362 Day 363 Day 364 Day 365 Day 366 Day 367 Day 368 Day 369 Day 370 Day 371 Day 372 Day 373 Day 374 Day 375 Day 376 Day 377 Day 378 Day 379 Day 380 Day 381 Day 382 Day 383 Day 384 Day 385 Day 386 Day 387 Day 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513 Day 514 Day 515 Day 516 Day 517 Day 518 Day 519 Day 520 Day 521 Day 522 Day 523 Day 524 Day 525 Day 526 Day 527 Day 528 Day 529 Day 530 Day 531 Day 532 Day 533 Day 534 Day 535 Day 536 Day 537 Day 538 Day 539 Day 540 Day 541 Day 542 Day 543 Day 544 Day 545 Day 546 Day 547 Day 548 Day 549 Day 550 Day 551 Day 552 Day 553 Day 554 Day 555 Day 556 Day 557 Day 558 Day 559 Day 560 Day 561 Day 562 Day 563 Day 564 Day 565 Day 566 Day 567 Day 568 Day 569 Day 570 Day 571 Day 572 Day 573 Day 574 Day 575 Day 576 Day 577 Day 578 Day 579 Day 580 Day 581 Day 582 Day 583 Day 584 Day 585 Day 586 Day 587 Day 588 Day 589 Day 590 Day 591 Day 592 Day 593 Day 594 Day 595 Day 596 Day 597 Day 598 Day 599 Day 600 Day 601 Day 602 Day 603 Day 604 Day 605 Day 606 Day 607 Day 608 Day 609 Day 610 Day 611 Day 612 Day 613 Day 614 Day 615 Day 616 Day 617 Day 618 Day 619 Day 620 Day 621 Day 622 Day 623 Day 624 Day 625 Day 626 Day 627 Day 628 Day 629 Day 630 Day 631 Day 632 Day 633 Day 634 Day 635 Day 636 Day 637 Day 638 Day 639 Day 640 Day 641 Day 642 Day 643 Day 644 Day 645 Day 646 Day 647 Day 648 Day 649 Day 650 Day 651 Day 652 Day 653 Day 654 Day 655 Day 656 Day 657 Day 658 Day 659 Day 660 Day 661 Day 662 Day 663 Day 664 Day 665 Day 666 Day 667 Day 668 Day 669 Day 670 Day 671 Day 672 Day 673 Day 674 Day 675 Day 676 Day 677 Day 678 Day 679 Day 680 Day 681 Day 682 Day 683 Day 684 Day 685 Day 686 Day 687 Day 688 Day 689 Day 690 Day 691 Day 692 Day 693 Day 694 Day 695 Day 696 Day 697 Day 698 Day 699 Day 700 Day 701 Day 702 Day 703 Day 704 Day 705 Day 706 Day 707 Day 708 Day 709 Day 710 Day 711 Day 712 Day 713 Day 714 Day 715 Day 716 Day 717 Day 718 Day 719 Day 720 Day 721 Day 722 Day 723 Day 724 Day 725 Day 726 Day 727 Day 728 Day 729 Day 730 Day 731 Day 732 Day 733 Day 734 Day 735 Day 736 Day 737 Day 738 Day 739 Day 740 Day 741 Day 742 Day 743 Day 744 Day 745 Day 746 Day 747 Day 748 Day 749 Day 750 Day 751 Day 752 Day 753 Day 754 Day 755 Day 756 Day 757 Day 758 Day 759 Day 760 Day 761 Day 762 Day 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888 Day 889 Day 890 Day 891 Day 892 Day 893 Day 894 Day 895 Day 896 Day 897 Day 898 Day 899 Day 900 Day 901 Day 902 Day 903 Day 904 Day 905 Day 906 Day 907 Day 908 Day 909 Day 910 Day 911 Day 912 Day 913 Day 914 Day 915 Day 916 Day 917 Day 918 Day 919 Day 920 Day 921 Day 922 Day 923 Day 924 Day 925 Day 926 Day 927 Day 928 Day 929 Day 930 Day 931 Day 932 Day 933 Day 934 Day 935 Day 936 Day 937 Day 938 Day 939 Day 940 Day 941 Day 942 Day 943 Day 944 Day 945 Day 946 Day 947 Day 948 Day 949 Day 950 Day 951 Day 952 Day 953 Day 954 Day 955 Day 956 Day 957 Day 958 Day 959 Day 960 Day 961 Day 962 Day 963 Day 964 Day 965 Day 966 Day 967 Day 968 Day 969 Day 970 Day 971 Day 972 Day 973 Day 974 Day 975 Day 976 Day 977 Day 978 Day 979 Day 980 Day 981 Day 982 Day 983 Day 984 Day 985 Day 986 Day 987 Day 988 Day 989 Day 990 Day 991 Day 992 Day 993 Day 994 Day 995 Day 996 Day 997 Day 998 Day 999 Day 1000 Day 1001 Day 1002 Day 1003 Day 1004 Day 1005 Day 1006 Day 1007 Day 1008 Day 1009 Day 1010 Day 1011 Day 1012 Day 1013 Day 1014 Day 1015 Day 1016 Day 1017 Day 1018 Day 1019 Day 1020 Day 1021 Day 1022 Day 1023 Day 1024 Day 1025 Day 1026 Day 1027 Day 1028 Day 1029 Day 1030 Day 1031 Day 1032 Day 1033 Day 1034 Day 1035 Day 1036 Day 1037 Day 1038 Day 1039 Day 1040 Day 1041 Day 1042 Day 1043 Day 1044 Day 1045 Day 1046 Day 1047 Day 1048 Day 1049 Day 1050 Day 1051 Day 1052 Day 1053 Day 1054 Day 1055 Day 1056 Day 1057 Day 1058 Day 1059 Day 1060 Day 1061 Day 1062 Day 1063 Day 1064 Day 1065 Day 1066 Day 1067 Day 1068 Day 1069 Day 1070 Day 1071 Day 1072 Day 1073 Day 1074 Day 1075 Day 1076 Day 1077 Day 1078 Day 1079 Day 1080 Day 1081 Day 1082 Day 1083 Day 1084 Day 1085 Day 1086 Day 1087 Day 1088 Day 1089 Day 1090 Day 1091 Day 1092 Day 1093 Day 1094 Day 1095 Day 1096 Day 1097 Day 1098 Day 1099 Day 1100 Day 1101 Day 1102 Day 1103 Day 1104 Day 1105 Day 1106 Day 1107 Day 1108 Day 1109 Day 1110 Day 1111 Day 1112 Day 1113 Day 1114 Day 1115 Day 1116 Day 1117 Day 1118 Day 1119 Day 1120 Day 1121 Day 1122 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Email: info@microbe.com

**Client:** Tom Colligan  
Floyd Snider  
601 Union St  
Seattle, WA 98101

**Phone:** 206-292-2078

**Fax:**

**Identifier:** 061KG

**Date Rec:** 07/25/2013

**Report Date:** 07/31/2013

**Client Project #:**

**Client Project Name:** Fox Ave

**Purchase Order #:**

**Analysis Requested:** CENSUS

**Reviewed By:**

A handwritten signature in black ink, appearing to read 'R. H. Smith'.

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**CENSUS**

**Client:**        **Floyd Snider**  
**Project:**     Fox Ave

**MI Project Number:**    **061KG**  
**Date Received:**        07/25/2013

**Sample Information**

|                          |                       |                       |                       |                    |                       |
|--------------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------------------|
| <b>Client Sample ID:</b> | <b>R1-IW8-11-0724</b> | <b>R1-IW7-45-0724</b> | <b>R1-IW4b-50-072</b> | <b>B-59-072413</b> | <b>R1-IW2-17-0724</b> |
|                          | <b>13</b>             | <b>13</b>             | <b>413</b>            |                    | <b>13</b>             |
| Sample Date:             | 07/24/2013            | 07/24/2013            | 07/24/2013            | 07/24/2013         | 07/24/2013            |
| Units:                   | cells/mL              | cells/mL              | cells/mL              | cells/mL           | cells/mL              |
| Analyst:                 | RW                    | RW                    | RW                    | RW                 | RW                    |

**Dechlorinating Bacteria**

|                               |            |                     |                 |                 |                 |                 |
|-------------------------------|------------|---------------------|-----------------|-----------------|-----------------|-----------------|
| <i>Dehalococcoides</i>        | <i>DHC</i> | <b>2.42E+03</b>     | <b>5.38E+04</b> | <b>7.12E+02</b> | <b>6.19E+03</b> | <b>3.03E+04</b> |
| tceA Reductase                | TCE        | <b>3.70E+00 (J)</b> | <b>3.50E+00</b> | <b>4.92E+01</b> | <b>4.10E+00</b> | <b>1.17E+01</b> |
| BAV1 Vinyl Chloride Reductase | BVC        | <b>2.00E+03</b>     | <b>2.09E+04</b> | <b>6.99E+02</b> | <b>1.66E+03</b> | <b>2.00E+04</b> |
| Vinyl Chloride Reductase      | VCR        | <b>3.78E+01</b>     | <b>3.10E+03</b> | <b>1.10E+02</b> | <b>1.00E+03</b> | <b>1.03E+03</b> |

**Legend:**

NA = Not Analyzed    NS = Not Sampled    J = Estimated gene copies below PQL but above LQL    I = Inhibited  
< = Result not detected

# Well Sampling Data Sheet

|                 |         |                   |                          |
|-----------------|---------|-------------------|--------------------------|
| Date            | 2/20/13 | Site Location     | Seattle bailer / Fox Ave |
| Samplers        | CG + JN | Well ID           | R2-IW11-12'              |
| Casing Material | PVC     | Constructed Depth | 62'                      |
| Casing Diameter | 4"      | Condition of Well | new                      |

## Field Measurements:

|                |        |                      |                           |
|----------------|--------|----------------------|---------------------------|
| Time           | 0858   | Depth Measured From: |                           |
| Depth to Water | 10.03' |                      | Top of access port        |
|                |        | $\alpha$             | Mark on PVC casing        |
|                |        |                      | Mark of protective casing |
|                |        |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |       |  |  |
|----------------|-------|-------|-------|-------|-------|--|--|
| Time           | 0915  | 0920  | 0925  | 0930  | 0935  |  |  |
| pH             | 5.04  | 5.82  | 5.97  | 5.94  | 6.02  |  |  |
| Conductivity   | 0.718 | 0.633 | 0.587 | 0.570 | 0.570 |  |  |
| Turbidity      | 160   | 202   | 142   | 107   | 91.5  |  |  |
| D.O.           | 5.78  | 2.47  | 2.07  | 1.85  | 1.38  |  |  |
| Temperature    | 6.74  | 9.74  | 11.29 | 11.50 | 11.48 |  |  |
| ORP            | 277   | 253   | 252   | 253   | 253   |  |  |
| Purge Rate     | -     | -     | -     | -     | -     |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   | 2.0   |  |  |

## Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 0935  | Sample ID     | R2-IW11-12-022013 |
| pH           | 6.02  | Duplicates    |                   |
| Conductivity | 0.570 | QA/QC Volumes |                   |
| Turbidity    | 91.5  |               |                   |
| D.O.         | 1.38  |               |                   |
| Temperature  | 11.48 |               |                   |
| ORP          | 253   |               |                   |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |          |                               |                            |  |                                   |  |
|-------------------|----------|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | $\alpha$ | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |          | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |          |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

12' sample depth

|                                                                                  |                      |
|----------------------------------------------------------------------------------|----------------------|
| Well Diameter                                                                    | Well Volume (Gal/ft) |
| 1 inch                                                                           | 0.041                |
| 2 inch                                                                           | 0.163                |
| 4 inch                                                                           | 0.653                |
| 6 inch                                                                           | 1.469                |
| Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume |                      |

# Well Sampling Data Sheet

|                 |          |                   |                        |
|-----------------|----------|-------------------|------------------------|
| Date            | 2/20/13  | Site Location     | Scottle Boiler/Box Ave |
| Samplers        | CC7 + JN | Well ID           | R2-IW11-37             |
| Casing Material | 4" PVC   | Constructed Depth | 62'                    |
| Casing Diameter | 4"       | Condition of Well | new                    |

## Field Measurements:

|                |        |                      |                           |
|----------------|--------|----------------------|---------------------------|
| Time           | 0858   | Depth Measured From: |                           |
| Depth to Water | 10.03' |                      | Top of access port        |
|                |        | X                    | Mark on PVC casing        |
|                |        |                      | Mark of protective casing |
|                |        |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |       |  |  |
|----------------|-------|-------|-------|-------|-------|--|--|
| Time           | 0944  | 0951  | 0954  | 1001  | 1006  |  |  |
| pH             | 6.14  | 6.73  | 6.93  | 6.78  | 6.78  |  |  |
| Conductivity   | 0.698 | 1.02  | 1.01  | 0.980 | 0.960 |  |  |
| Turbidity      | 164   | 14.4  | 12.9  | 19.3  | 28.9  |  |  |
| D.O.           | 2.29  | 1.37  | 1.17  | 1.09  | 1.04  |  |  |
| Temperature    | 10.64 | 11.41 | 11.27 | 11.43 | 11.41 |  |  |
| ORP            | 264   | 241   | 228   | 232   | 226   |  |  |
| Purge Rate     | -     | -     | -     | -     | -     |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   | 2.0   |  |  |

## Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 10.06 | Sample ID     | R2-IW11-37-022013 |
| pH           | 6.78  | Duplicates    |                   |
| Conductivity | 0.960 | QA/QC Volumes |                   |
| Turbidity    | 28.9  |               |                   |
| D.O.         | 1.001 |               |                   |
| Temperature  | 11.41 |               |                   |
| ORP          | 226   |               |                   |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

37' sample depth

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                       |
|-----------------|---------|-------------------|-----------------------|
| Date            | 2/20/13 | Site Location     | Seattle Box / Fox Ave |
| Samplers        | CCL 5N  | Well ID           | R2-IW11-60            |
| Casing Material | PVC     | Constructed Depth | 62'                   |
| Casing Diameter | 4"      | Condition of Well | new                   |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 0858  | Depth Measured From: |                           |
| Depth to Water | 10.03 |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |      |      |  |
|----------------|-------|-------|-------|-------|------|------|--|
| Time           | 1014  | 1019  | 1024  | 1029  | 1034 |      |  |
| pH             | 6.74  | 6.98  | 7.19  | 7.51  | 7.58 |      |  |
| Conductivity   | 0.876 | 1.13  | 207   | 124   | 187  | 1.14 |  |
| Turbidity      | 07.5  | 1.5   | 259   | 287   | 168  | 176  |  |
| D.O.           | 1.58  | 0.66  | 0.38  | 0.35  | 0.34 |      |  |
| Temperature    | 10.43 | 11.64 | 11.74 | 11.74 | 11.8 |      |  |
| ORP            | 217   | 209   | 209   | 189   | 178  |      |  |
| Purge Rate     | -     | -     | -     | -     | -    |      |  |
| Gallons Purged | 0     | 0.5   | 1.5   | 2.5   | 3.0  |      |  |

## Sampling Data:

|              |      |               |                   |
|--------------|------|---------------|-------------------|
| Time         | 1034 | Sample ID     | R2-IW11-60-022013 |
| pH           | 7.58 | Duplicates    |                   |
| Conductivity | 1.14 | QA/QC Volumes |                   |
| Turbidity    | 176  |               |                   |
| D.O.         | 0.34 |               |                   |
| Temperature  | 11.8 |               |                   |
| ORP          | 178  |               |                   |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

60' Sample depth

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                          |
|-----------------|---------|-------------------|--------------------------|
| Date            | 2/20/13 | Site Location     | Seattle boiler / Fox Ave |
| Samplers        | CG + JV | Well ID           | R2-IW10-12               |
| Casing Material | PVC     | Constructed Depth | 62'                      |
| Casing Diameter | 4 1/2"  | Condition of Well | new                      |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1058  | Depth Measured From: |                           |
| Depth to Water | 9.79' |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |       |  |  |
|----------------|-------|-------|-------|-------|-------|--|--|
| Time           | 1103  | 1108  | 1113  | 1118  | 1123  |  |  |
| pH             | 7.46  | 6.61  | 6.55  | 6.62  | 6.67  |  |  |
| Conductivity   | 0.822 | 0.751 | 0.798 | 0.837 | 0.873 |  |  |
| Turbidity      | 101   | 63.9  | 39.4  | 27.6  | 23.3  |  |  |
| D.O.           | 5.40  | 2.13  | 1.22  | 0.93  | 0.84  |  |  |
| Temperature    | 9.77  | 11.79 | 11.95 | 11.68 | 11.45 |  |  |
| ORP            | 162   | 197   | 200   | 198   | 195   |  |  |
| Purge Rate     | -     | -     | -     | -     | -     |  |  |
| Gallons Purged | 0     | 0.5   | 1.6   | 1.5   | 2.0   |  |  |

## Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1123  | Sample ID     | R2-IW10-12-022013 |
| pH           | 6.67  | Duplicates    | Dup 1 @ 0800      |
| Conductivity | 0.873 | QA/QC Volumes |                   |
| Turbidity    | 23.3  |               | Dup 1-022013      |
| D.O.         | 0.84  |               |                   |
| Temperature  | 11.45 |               |                   |
| ORP          | 195   |               |                   |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

12' sample depth  
Dup 1-022013

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                        |
|-----------------|---------|-------------------|------------------------|
| Date            | 2/20/13 | Site Location     | Sea Hts Bldg / Fox Ave |
| Samplers        | CG+TN   | Well ID           | R2-DW10-37             |
| Casing Material | PVC     | Constructed Depth | 62'                    |
| Casing Diameter | 4"      | Condition of Well | new                    |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1058  | Depth Measured From: |                           |
| Depth to Water | 9.79' |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |  |
|----------------------------|--|----------------|--|-----------------|--|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |  |
| Bailer:                    |  | PVC            |  | Stainless Steel |  |
| Purge Start Time           |  | Purge End Time |  | Other:          |  |
| Approximate Gallons Purged |  |                |  |                 |  |

## Water Monitoring Conditions:

|                |       |       |       |       |       |  |  |
|----------------|-------|-------|-------|-------|-------|--|--|
| Time           | 1132  | 1137  | 1142  | 1147  | 1152  |  |  |
| pH             | 6.81  | 7.22  | 7.48  | 7.50  | 7.53  |  |  |
| Conductivity   | 0.905 | 1.05  | 1.06  | 1.04  | 1.06  |  |  |
| Turbidity      | 0.74  | 1.28  | 1.74  | 1.56  | 1.50  |  |  |
| D.O.           | 1.27  | 1.06  | 1.04  | 1.15  | 0.75  |  |  |
| Temperature    | 10.78 | 11.32 | 11.33 | 11.39 | 11.40 |  |  |
| ORP            | 183   | 172   | 160   | 156   | 150   |  |  |
| Purge Rate     | -     | -     | -     | -     | -     |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   | 2.0   |  |  |

## Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1152  | Sample ID     | R2-DW10-37-022013 |
| pH           | 7.53  | Duplicates    |                   |
| Conductivity | 1.06  | QA/QC Volumes |                   |
| Turbidity    | 1.50  |               |                   |
| D.O.         | 0.75  |               |                   |
| Temperature  | 11.40 |               |                   |
| ORP          | 150   |               |                   |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

37' sample depth

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                           |
|-----------------|---------|-------------------|---------------------------|
| Date            | 2/20/13 | Site Location     | South 14th Bldg / Fox Ave |
| Samplers        | CG + JN | Well ID           | R2-IW10-60                |
| Casing Material | PVC     | Constructed Depth | 62'                       |
| Casing Diameter | 4"      | Condition of Well | new                       |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1058  | Depth Measured From: |                           |
| Depth to Water | 9.79' |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |       |  |  |
|----------------|-------|-------|-------|-------|-------|--|--|
| Time           | 1158  | 1203  | 1208  | 1213  | 1218  |  |  |
| pH             | 7.34  | 7.41  | 7.51  | 7.42  | 7.49  |  |  |
| Conductivity   | 1.05  | 1.04  | 1.04  | 1.04  | 1.03  |  |  |
| Turbidity      | 258   | 139   | 111   | 102   | 124   |  |  |
| D.O.           | 1.15  | 1.23  | 0.98  | 0.83  | 0.73  |  |  |
| Temperature    | 10.74 | 11.49 | 11.54 | 11.60 | 11.64 |  |  |
| ORP            | 135   | 143   | 134   | 133   | 123   |  |  |
| Purge Rate     | -     | -     | -     | -     | -     |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   | 2.0   |  |  |

## Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1218  | Sample ID     | R2-IW10-60-022013 |
| pH           | 7.49  | Duplicates    |                   |
| Conductivity | 1.03  | QA/QC Volumes |                   |
| Turbidity    | 124   |               |                   |
| D.O.         | 0.73  |               |                   |
| Temperature  | 11.64 |               |                   |
| ORP          | 123   |               |                   |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |                                     |                               |                            |  |                                   |  |
|-------------------|-------------------------------------|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | <input checked="" type="checkbox"/> | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |                                     | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |                                     |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

60' Sample Depth

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                          |
|-----------------|---------|-------------------|--------------------------|
| Date            | 2/20/13 | Site Location     | Seathle Bailer / Fox Ave |
| Samplers        | CG+JN   | Well ID           | R2-FW9-12                |
| Casing Material | PVC     | Constructed Depth | 62' 65'                  |
| Casing Diameter | 4"      | Condition of Well | new                      |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1312  | Depth Measured From: |                           |
| Depth to Water | 9.15' |                      | Top of access port        |
|                |       | Y                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |       |  |  |
|----------------|-------|-------|-------|-------|-------|--|--|
| Time           | 1314  | 1321  | 1326  | 1331  | 1336  |  |  |
| pH             | 7.40  | 7.43  | 6.64  | 6.48  | 6.48  |  |  |
| Conductivity   | 1.04  | 1.04  | 1.05  | 1.06  | 1.06  |  |  |
| Turbidity      | 145   | 37.0  | 30.8  | 18.6  | 15.9  |  |  |
| D.O.           | 3.92  | 4.04  | 2.62  | 2.02  | 1.72  |  |  |
| Temperature    | 10.63 | 10.79 | 11.48 | 11.17 | 11.11 |  |  |
| ORP            | 144   | 139   | 163   | 164   | 168   |  |  |
| Purge Rate     |       |       |       |       |       |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   | 2.0   |  |  |

## Sampling Data:

|              |       |               |                  |
|--------------|-------|---------------|------------------|
| Time         | 1336  | Sample ID     | R2-FW9-12-022013 |
| pH           | 6.48  | Duplicates    |                  |
| Conductivity | 1.04  | QA/QC Volumes |                  |
| Turbidity    | 15.9  |               |                  |
| D.O.         | 1.72  |               |                  |
| Temperature  | 11.11 |               |                  |
| ORP          | 168   |               |                  |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | ✓ | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                       |
|-----------------|---------|-------------------|-----------------------|
| Date            | 2/20/13 | Site Location     | Seattle B-1 / Fox Ave |
| Samplers        | CG+JN   | Well ID           | R2-FW-40              |
| Casing Material | PVC     | Constructed Depth | 65'                   |
| Casing Diameter | 4"      | Condition of Well | new                   |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1312  | Depth Measured From: |                           |
| Depth to Water | 9.15' |                      | Top of access port        |
|                |       |                      | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |       |  |  |
|----------------|-------|-------|-------|-------|-------|--|--|
| Time           | 1344  | 1349  | 1354  | 1359  | 1404  |  |  |
| pH             | 6.55  | 6.64  | 6.63  | 6.62  | 6.71  |  |  |
| Conductivity   | 1.06  | 1.13  | 1.12  | 1.11  | 1.11  |  |  |
| Turbidity      | 18.5  | 72.4  | 65.1  | 52.9  | 42.9  |  |  |
| D.O.           | 2.75  | 0.44  | 0.37  | 0.33  | 0.30  |  |  |
| Temperature    | 11.05 | 11.45 | 11.39 | 11.51 | 11.71 |  |  |
| ORP            | 159   | 139   | 127   | 117   | 100   |  |  |
| Purge Rate     | -     | -     | -     | -     | -     |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   | 2.0   |  |  |

## Sampling Data:

|              |       |               |                 |
|--------------|-------|---------------|-----------------|
| Time         | 1404  | Sample ID     | R2-FW-40-022013 |
| pH           | 6.71  | Duplicates    |                 |
| Conductivity | 1.11  | QA/QC Volumes |                 |
| Turbidity    | 42.9  |               |                 |
| D.O.         | 0.30  |               |                 |
| Temperature  | 11.71 |               |                 |
| ORP          | 100   |               |                 |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

40' sample

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                        |
|-----------------|---------|-------------------|------------------------|
| Date            | 2/20/13 | Site Location     | Seattle Soil / Fox Ave |
| Samplers        | CG + JN | Well ID           | R2-IW 9 63'            |
| Casing Material | 4" PVC  | Constructed Depth | 65'                    |
| Casing Diameter | 4"      | Condition of Well | new                    |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1312  | Depth Measured From: |                           |
| Depth to Water | 9.15' |                      | Top of access port        |
|                |       |                      | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1412  | 1417  | 1422  | 1427  |  |  |  |
| pH             | 6.42  | 6.71  | 6.51  | 6.34  |  |  |  |
| Conductivity   | 1.10  | 1.18  | 1.18  | 1.18  |  |  |  |
| Turbidity      | 201   | 319   | 223   | 207   |  |  |  |
| D.O.           | 1.48  | 3.13  | 2.74  | 2.55  |  |  |  |
| Temperature    | 10.89 | 11.97 | 11.81 | 11.91 |  |  |  |
| ORP            | 96    | 78    | 82    | 81    |  |  |  |
| Purge Rate     | -     | -     | -     | -     |  |  |  |
| Gallons Purged | 0     | 100   | 105   | 200   |  |  |  |

## Sampling Data:

|              |       |               |                     |
|--------------|-------|---------------|---------------------|
| Time         | 1427  | Sample ID     | R2-IW 9 - 63-022013 |
| pH           | 6.36  | Duplicates    |                     |
| Conductivity | 1.18  | QA/QC Volumes |                     |
| Turbidity    | 207   |               |                     |
| D.O.         | 2.55  |               |                     |
| Temperature  | 11.91 |               |                     |
| ORP          | 81    |               |                     |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                       |
|-----------------|---------|-------------------|-----------------------|
| Date            | 2/20/13 | Site Location     | San H/L B-1 / for Ave |
| Samplers        | CG + JN | Well ID           | R2-IW8 12'            |
| Casing Material | PVC     | Constructed Depth | 65'                   |
| Casing Diameter | 4"      | Condition of Well | new                   |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1454  | Depth Measured From: |                           |
| Depth to Water | 8.99' |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1454  | 1504  | 1509  | 1514  |  |  |  |
| pH             | 6.95  | 6.41  | 6.41  | 6.37  |  |  |  |
| Conductivity   | 0.619 | 0.569 | 0.588 | 0.588 |  |  |  |
| Turbidity      | 38.2  | 17.3  | 10.4  | 8.6   |  |  |  |
| D.O.           | 4.32  | 3.34  | 2.69  | 2.39  |  |  |  |
| Temperature    | 10.53 | 10.84 | 11.08 | 11.03 |  |  |  |
| ORP            | 117   | 138   | 133   | 133   |  |  |  |
| Purge Rate     | -     | -     | -     | -     |  |  |  |
| Gallons Purged | 0     | 0.25  | 0.5   | 0     |  |  |  |

## Sampling Data:

|              |       |               |                  |
|--------------|-------|---------------|------------------|
| Time         | 1514  | Sample ID     | R2-IW8-12-022013 |
| pH           | 6.37  | Duplicates    |                  |
| Conductivity | 0.588 | QA/QC Volumes |                  |
| Turbidity    | 8.6   |               |                  |
| D.O.         | 2.39  |               |                  |
| Temperature  | 11.03 |               |                  |
| ORP          | 132   |               |                  |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | ✓ | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

12' sample depth

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                        |
|-----------------|---------|-------------------|------------------------|
| Date            | 2/20/13 | Site Location     | Seattle B. 1 / Fox Ave |
| Samplers        | CG + JV | Well ID           | R2-IW8-40'             |
| Casing Material | PVC     | Constructed Depth | 65'                    |
| Casing Diameter | 4"      | Condition of Well | new                    |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1454  | Depth Measured From: |                           |
| Depth to Water | 8.99' |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |           |                |                 |        |
|----------------------------|--|-----------|----------------|-----------------|--------|
| Pump:                      |  | Dedicated |                | Non-dedicated   |        |
| Bailer:                    |  | PVC       |                | Stainless Steel | Other: |
| Purge Start Time           |  |           | Purge End Time |                 |        |
| Approximate Gallons Purged |  |           |                |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1523  | 1528  | 1533  | 1538  |  |  |  |
| pH             | 6.34  | 6.30  | 6.40  | 6.50  |  |  |  |
| Conductivity   | 0.548 | 0.800 | 0.779 | 0.772 |  |  |  |
| Turbidity      | 124   | 128   | 188   | 192   |  |  |  |
| D.O.           | 2.49  | 0.28  | 0.24  | 0.22  |  |  |  |
| Temperature    | 10.19 | 11.60 | 11.79 | 11.84 |  |  |  |
| ORP            | 127   | 108   | 780   | 72    |  |  |  |
| Purge Rate     | -     | -     | -     | -     |  |  |  |
| Gallons Purged | 0     | 100   | 105   | 2.0   |  |  |  |

## Sampling Data:

|              |       |               |                  |
|--------------|-------|---------------|------------------|
| Time         | 1538  | Sample ID     | R2-IW8-40-022013 |
| pH           | 6.50  | Duplicates    |                  |
| Conductivity | 0.772 | QA/QC Volumes |                  |
| Turbidity    | 192   |               |                  |
| D.O.         | 0.22  |               |                  |
| Temperature  | 11.84 |               |                  |
| ORP          | 72    |               |                  |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |  |                                   |  |
|-------------------|---|-------------------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 |  | Other                             |  |

## Sampling Notes:

40' Sample Depth

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                        |
|-----------------|---------|-------------------|------------------------|
| Date            | 2/20/13 | Site Location     | Sea Hle Bldg / for Ave |
| Samplers        | CG + JN | Well ID           | R2-IW08-63'            |
| Casing Material | PVC     | Constructed Depth | 65'                    |
| Casing Diameter | 4"      | Condition of Well | new                    |

## Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1454  | Depth Measured From: |                           |
| Depth to Water | 8.99' |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

## Purging Information:

|                            |  |                |  |                 |        |
|----------------------------|--|----------------|--|-----------------|--------|
| Pump:                      |  | Dedicated      |  | Non-dedicated   |        |
| Bailer:                    |  | PVC            |  | Stainless Steel | Other: |
| Purge Start Time           |  | Purge End Time |  |                 |        |
| Approximate Gallons Purged |  |                |  |                 |        |

## Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1546  | 1551  | 1554  | 1601  |  |  |  |
| pH             | 6.56  | 6.51  | 6.51  | 6.56  |  |  |  |
| Conductivity   | 0.647 | 0.786 | 0.790 | 0.793 |  |  |  |
| Turbidity      | 325   | 121   | 96.6  | 72.2  |  |  |  |
| D.O.           | 1.43  | 0.44  | 0.35  | 0.28  |  |  |  |
| Temperature    | 10.59 | 11.67 | 11.64 | 11.69 |  |  |  |
| ORP            | 69    | 61    | 60    | 54    |  |  |  |
| Purge Rate     | -     | -     | -     | -     |  |  |  |
| Gallons Purged | 0     | 1.0   | 2.0   | 3.0   |  |  |  |

## Sampling Data:

|              |       |               |                    |
|--------------|-------|---------------|--------------------|
| Time         | 1601  | Sample ID     | R2-IW08-63'-022013 |
| pH           | 6.56  | Duplicates    |                    |
| Conductivity | 0.793 | QA/QC Volumes |                    |
| Turbidity    | 72.2  |               |                    |
| D.O.         | 0.28  |               |                    |
| Temperature  | 11.69 |               |                    |
| ORP          | 54    |               |                    |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                               |                            |                                   |
|-------------------|---|-------------------------------|----------------------------|-----------------------------------|
| Volatile Organics | X | VOCs 8260B                    | SVOCs by 8270C             | Sulfate 375.2                     |
| Total Metals      |   | RCRA 8 or Priority Pollutants | SVOCs by 8270C/SIM         | RSK-175 (methane, ethane, ethene) |
| Dissolved Metals  |   |                               | Total Organic Carbon 415.1 | Other                             |

## Sampling Notes:

65' Sample depth

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |                |
|-----------------|---------|-------------------|----------------|
| Date            | 5/29/13 | Site Location     | Fox Ave SBN    |
| Samplers        | JN LG   | Well ID           | R2-IWI 17' 45' |
| Casing Material | PVC     | Constructed Depth | ~70'           |
| Casing Diameter |         | Condition of Well | Good           |

#### Field Measurements:

|                |           |                      |                           |
|----------------|-----------|----------------------|---------------------------|
| Time           | 1014      | Depth Measured From: |                           |
| Depth to Water | 1014 9.36 |                      | Top of access port        |
|                |           | X                    | Mark on PVC casing        |
|                |           |                      | Mark of protective casing |
|                |           |                      | Other                     |

#### Purging Information:

|                            |       |                |      |                 |             |
|----------------------------|-------|----------------|------|-----------------|-------------|
| Pump:                      |       | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |       | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1016  | Purge End Time | 1040 |                 |             |
| Approximate Gallons Purged | 2 gal |                |      |                 |             |

#### Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1017  | 1022  | 1027  | 1035  |  |  |  |
| pH             | 4.49  | 4.86  | 4.83  | 4.84  |  |  |  |
| Conductivity   | 1.20  | 1.19  | 1.20  | 1.19  |  |  |  |
| Turbidity      | 229   | 78.7  | 65.8  | 58.6  |  |  |  |
| D.O.           | 2.72  | 1.41  | 1.37  | 1.31  |  |  |  |
| Temperature    | 13.78 | 13.24 | 12.77 | 12.92 |  |  |  |
| ORP            | 87    | 48    | 35    | 27    |  |  |  |
| Purge Rate     | -     |       |       |       |  |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |                  |
|--------------|-------|---------------|------------------|
| Time         | 1040  | Sample ID     | R2-IWI-45-052913 |
| pH           | 4.87  | Duplicates    |                  |
| Conductivity | 1.19  | QA/QC Volumes |                  |
| Turbidity    | 68.7  |               |                  |
| D.O.         | 1.29  |               |                  |
| Temperature  | 12.90 |               |                  |
| ORP          | 22    |               |                  |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |                                   |  |
|-------------------|---|---------------------|----------------------------|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | Other (Chlorides)                 |  |

#### Sampling Notes:

Reducing odor when opening well lid.

#### Well

Diameter Well Volume (Gal/ft)

|        |       |
|--------|-------|
| 1 inch | 0.041 |
| 2 inch | 0.163 |
| 4 inch | 0.653 |
| 6 inch | 1.469 |

Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |           |                   |           |
|-----------------|-----------|-------------------|-----------|
| Date            | 5/29 / 13 | Site Location     | FoxAm     |
| Samplers        | JN L67    | Well ID           | R2-Int-45 |
| Casing Material | PVC       | Constructed Depth | ~70'      |
| Casing Diameter |           | Condition of Well | Good      |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1014 | Depth Measured From: |                           |
| Depth to Water | 9.36 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |   |                 |             |
|----------------------------|------|----------------|---|-----------------|-------------|
| Pump:                      |      | Dedicated      | X | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |   | Stainless Steel | Other:      |
| Purge Start Time           | 1043 | Purge End Time |   |                 |             |
| Approximate Gallons Purged |      |                |   |                 |             |

#### Water Monitoring Conditions:

|                            |       |       |       |       |  |  |  |
|----------------------------|-------|-------|-------|-------|--|--|--|
| Time                       | 1044  | 1049  | 1054  | 1059  |  |  |  |
| pH                         | 4.92  | 4.63  | 4.71  | 4.67  |  |  |  |
| Conductivity <sup>µS</sup> | 1.20  | 1.23  | 1.22  | 1.23  |  |  |  |
| Turbidity                  | 187   | 73.8  | 89.9  | 70.2  |  |  |  |
| D.O.                       | 0.93  | 0.64  | 0.48  | 0.47  |  |  |  |
| Temperature                | 13.29 | 12.70 | 12.84 | 12.67 |  |  |  |
| ORP                        | 32    | 30    | 23    | 19    |  |  |  |
| Purge Rate                 |       |       |       |       |  |  |  |
| Gallons Purged             | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |      |               |                  |
|--------------|------|---------------|------------------|
| Time         | 1054 | Sample ID     | R2-Int-45-052913 |
| pH           |      | Duplicates    |                  |
| Conductivity |      | QA/QC Volumes |                  |
| Turbidity    |      |               |                  |
| D.O.         |      |               |                  |
| Temperature  |      |               |                  |
| ORP          |      |               |                  |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |           |                   |             |
|-----------------|-----------|-------------------|-------------|
| Date            | 5/29 / 13 | Site Location     | Fox Ave     |
| Samplers        | JN 607    | Well ID           | R1-IW39-12' |
| Casing Material | PVC       | Constructed Depth |             |
| Casing Diameter |           | Condition of Well |             |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1112 | Depth Measured From: |                           |
| Depth to Water | 8.64 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1113 | Purge End Time | 1128 |                 |             |
| Approximate Gallons Purged |      |                | 1.5  |                 |             |

#### Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1113  | 1118  | 1123  | 1128  |  |  |  |
| pH             | 5.32  | 5.85  | 5.95  | 5.44  |  |  |  |
| Conductivity   | 7.31  | 7.64  | 7.82  | 7.75  |  |  |  |
| Turbidity      | 844   | 601   | 620   | 574   |  |  |  |
| D.O.           | 2.30  | 1.54  | 1.19  | 0.79  |  |  |  |
| Temperature    | 33.93 | 40.40 | 43.02 | 43.69 |  |  |  |
| ORP            | -3    | -19   | -31   | -51   |  |  |  |
| Purge Rate     |       |       | -     |       |  |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1128  | Sample ID     | R1-IW39-12-052913 |
| pH           | 5.96  | Duplicates    |                   |
| Conductivity | 7.75  | QA/QC Volumes |                   |
| Turbidity    | 574   |               |                   |
| D.O.         | 0.74  |               |                   |
| Temperature  | 43.69 |               |                   |
| ORP          | -51   |               |                   |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |         |
|-----------------|---------|-------------------|---------|
| Date            | 5/29/13 | Site Location     | FOX AM  |
| Samplers        | JNLL    | Well ID           | R1-IW49 |
| Casing Material | PVC     | Constructed Depth |         |
| Casing Diameter |         | Condition of Well |         |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1134 | Depth Measured From: |                           |
| Depth to Water | 8.59 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |  |                |   |                 |  |             |
|----------------------------|--|----------------|---|-----------------|--|-------------|
| Pump:                      |  | Dedicated      | X | Non-dedicated   |  | peristaltic |
| Bailer:                    |  | PVC            |   | Stainless Steel |  | Other:      |
| Purge Start Time           |  | Purge End Time |   |                 |  |             |
| Approximate Gallons Purged |  |                |   |                 |  |             |

#### Water Monitoring Conditions:

|                               |       |       |       |       |  |  |  |
|-------------------------------|-------|-------|-------|-------|--|--|--|
| Time                          | 1136  | 1141  | 1146  | 1151  |  |  |  |
| pH                            | 5.83  | 5.58  | 5.67  | 5.60  |  |  |  |
| Conductivity <sup>µS/cm</sup> | 1.27  | 0.948 | 0.935 | 0.931 |  |  |  |
| Turbidity                     | 0.0   | 0.0   | 0.0   | 0.0   |  |  |  |
| D.O.                          | 1.45  | 0.45  | 0.40  | 0.35  |  |  |  |
| Temperature                   | 41.92 | 49.44 | 49.95 | 50.25 |  |  |  |
| ORP                           | 10    | -33   | -40   | -45   |  |  |  |
| Purge Rate                    |       |       |       |       |  |  |  |
| Gallons Purged                | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |      |               |                   |
|--------------|------|---------------|-------------------|
| Time         | 1151 | Sample ID     | R1-IW49-11-052913 |
| pH           |      | Duplicates    | Dupl-052913 0.800 |
| Conductivity |      | QA/QC Volumes |                   |
| Turbidity    |      |               |                   |
| D.O.         |      |               |                   |
| Temperature  |      |               |                   |
| ORP          |      |               |                   |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |   |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|---|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |   |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) | X |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |   |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |             |
|-----------------|---------|-------------------|-------------|
| Date            | 5/29/13 | Site Location     | Fox Hill    |
| Samplers        | JNCC    | Well ID           | R1-IW45-50' |
| Casing Material | PVC     | Constructed Depth |             |
| Casing Diameter |         | Condition of Well |             |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1157 | Depth Measured From: |                           |
| Depth to Water | 8.45 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |   |                 |             |
|----------------------------|------|----------------|---|-----------------|-------------|
| Pump:                      |      | Dedicated      | X | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |   | Stainless Steel | Other:      |
| Purge Start Time           | 1158 | Purge End Time |   |                 |             |
| Approximate Gallons Purged |      |                |   |                 |             |

#### Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1157  | 1204  | 1209  | 1214  |  |  |  |
| pH             | 5.90  | 5.30  | 5.02  | 5.08  |  |  |  |
| Conductivity   | 0.854 | 0.757 | 0.755 | 0.756 |  |  |  |
| Turbidity      | 777   | 75.2  | 67.1  | 64.1  |  |  |  |
| D.O.           | 1.10  | 0.27  | 0.22  | 0.20  |  |  |  |
| Temperature    | 36.69 | 34.51 | 34.95 | 35.21 |  |  |  |
| ORP            | 23    | -3    | -2    | -2    |  |  |  |
| Purge Rate     |       |       |       |       |  |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |  |               |                   |
|--------------|--|---------------|-------------------|
| Time         |  | Sample ID     | R1-IW45-50-052913 |
| pH           |  | Duplicates    |                   |
| Conductivity |  | QA/QC Volumes |                   |
| Turbidity    |  |               |                   |
| D.O.         |  |               |                   |
| Temperature  |  |               |                   |
| ORP          |  |               |                   |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |           |                   |            |
|-----------------|-----------|-------------------|------------|
| Date            | 5/29 / 13 | Site Location     | FOR Awe    |
| Samplers        | JN CG     | Well ID           | B-61 - 40' |
| Casing Material | PVC       | Constructed Depth |            |
| Casing Diameter |           | Condition of Well |            |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1258 | Depth Measured From: |                           |
| Depth to Water | 9.47 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |   |                 |             |
|----------------------------|------|----------------|---|-----------------|-------------|
| Pump:                      |      | Dedicated      | X | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |   | Stainless Steel | Other:      |
| Purge Start Time           | 1259 | Purge End Time |   |                 |             |
| Approximate Gallons Purged |      |                |   |                 |             |

#### Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1259  | 1304  | 1309  | 1314  |  |  |  |
| pH             | 5.87  | 5.62  | 5.82  | 6.03  |  |  |  |
| Conductivity   | 0.706 | 0.739 | 0.728 | 0.721 |  |  |  |
| Turbidity      | 309   | 848   | 89.3  | 120   |  |  |  |
| D.O.           | 2.51  | 2.03  | 3.10  | 1.97  |  |  |  |
| Temperature    | 17.85 | 16.20 | 15.10 | 14.63 |  |  |  |
| ORP            | 35    | 48    | 32    | 28    |  |  |  |
| Purge Rate     |       |       |       |       |  |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 1319  | Sample ID     | B-61-052913 |
| pH           | 6.13  | Duplicates    |             |
| Conductivity | 0.720 | QA/QC Volumes |             |
| Turbidity    | 44    |               |             |
| D.O.         | 5.36  |               |             |
| Temperature  | 14.51 |               |             |
| ORP          | 14    |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Five black particulate/sand in samples

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |           |                   |          |
|-----------------|-----------|-------------------|----------|
| Date            | 5/29 / 13 | Site Location     | Fox Ave  |
| Samplers        | JN 66     | Well ID           | B-60 10' |
| Casing Material | PVC       | Constructed Depth |          |
| Casing Diameter |           | Condition of Well |          |

#### Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 1320  | Depth Measured From: |                           |
| Depth to Water | 9.11' |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

#### Purging Information:

|                            |      |                |   |                 |             |
|----------------------------|------|----------------|---|-----------------|-------------|
| Pump:                      |      | Dedicated      | X | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |   | Stainless Steel | Other:      |
| Purge Start Time           | 1325 | Purge End Time |   |                 |             |
| Approximate Gallons Purged |      |                |   |                 |             |

#### Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1326  | 1331  | 1336  | 1341  |  |  |  |
| pH             | 5.87  | 5.78  | 5.73  | 5.68  |  |  |  |
| Conductivity   | 0.789 | 0.780 | 0.789 | 0.794 |  |  |  |
| Turbidity      | 94.3  | 64.2  | 55.0  | 17.9  |  |  |  |
| D.O.           | 1.16  | 0.91  | 0.71  | 0.39  |  |  |  |
| Temperature    | 19.24 | 19.83 | 20.02 | 20.07 |  |  |  |
| ORP            | 19    | 21    | 20    | 14    |  |  |  |
| Purge Rate     |       |       |       |       |  |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |      |               |             |
|--------------|------|---------------|-------------|
| Time         | 1341 | Sample ID     | B-60-052913 |
| pH           |      | Duplicates    |             |
| Conductivity |      | QA/QC Volumes |             |
| Turbidity    |      |               |             |
| D.O.         |      |               |             |
| Temperature  |      |               |             |
| ORP          |      |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |   |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|---|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |   |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) | X |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |   |

#### Sampling Notes:

|                      |  |                                                                                  |                      |
|----------------------|--|----------------------------------------------------------------------------------|----------------------|
| yellow tint to water |  | Well Diameter                                                                    | Well Volume (Gal/ft) |
|                      |  | 1 inch                                                                           | 0.041                |
|                      |  | 2 inch                                                                           | 0.163                |
|                      |  | 4 inch                                                                           | 0.653                |
|                      |  | 6 inch                                                                           | 1.469                |
|                      |  | Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume |                      |

### Well Sampling Data Sheet

|                 |           |                   |          |
|-----------------|-----------|-------------------|----------|
| Date            | 5/29 / 13 | Site Location     | FOX AVE  |
| Samplers        | JN CG     | Well ID           | B-59 27' |
| Casing Material | PVC       | Constructed Depth |          |
| Casing Diameter |           | Condition of Well |          |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1349 | Depth Measured From: |                           |
| Depth to Water | 9.79 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |   |                 |             |
|----------------------------|------|----------------|---|-----------------|-------------|
| Pump:                      |      | Dedicated      | X | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |   | Stainless Steel | Other:      |
| Purge Start Time           | 1350 | Purge End Time |   |                 |             |
| Approximate Gallons Purged |      |                |   |                 |             |

#### Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1350  | 1355  | 1400  | 1405  |  |  |  |
| pH             | 5.94  | 5.99  | 5.77  | 5.73  |  |  |  |
| Conductivity   | 2.73  | 1.65  | 0.996 | 0.845 |  |  |  |
| Turbidity      | 163   | 255   | 138   | 101   |  |  |  |
| D.O.           | 2.41  | 1.39  | 0.79  | 0.54  |  |  |  |
| Temperature    | 22.22 | 20.24 | 20.73 | 20.94 |  |  |  |
| ORP            | 0     | -7    | -4    | -5    |  |  |  |
| Purge Rate     |       |       |       |       |  |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 1410  | Sample ID     | B-59-052913 |
| pH           | 5.78  | Duplicates    |             |
| Conductivity | 0.780 | QA/QC Volumes |             |
| Turbidity    | 99.3  |               |             |
| D.O.         | 0.40  |               |             |
| Temperature  | 20.33 |               |             |
| ORP          | 0     |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |                                   |  |
|-------------------|---|---------------------|----------------------------|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | Other (Chlorides)                 |  |

#### Sampling Notes:

oil sheen in purge water bucket

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |         |
|-----------------|---------|-------------------|---------|
| Date            | 5/29/13 | Site Location     | Fox A-4 |
| Samplers        | JN C67  | Well ID           | B-58    |
| Casing Material | PVC     | Constructed Depth |         |
| Casing Diameter |         | Condition of Well |         |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1418 | Depth Measured From: |                           |
| Depth to Water | 9.34 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |   |                 |  |             |
|----------------------------|------|----------------|---|-----------------|--|-------------|
| Pump:                      |      | Dedicated      | X | Non-dedicated   |  | peristaltic |
| Bailer:                    |      | PVC            |   | Stainless Steel |  | Other:      |
| Purge Start Time           | 1419 | Purge End Time |   |                 |  |             |
| Approximate Gallons Purged |      |                |   |                 |  |             |

#### Water Monitoring Conditions:

|                |       |       |       |       |  |  |  |
|----------------|-------|-------|-------|-------|--|--|--|
| Time           | 1419  | 1424  | 1429  | 1434  |  |  |  |
| pH             | 5.53  | 5.84  | 5.90  | 5.99  |  |  |  |
| Conductivity   | 0.696 | 0.696 | 0.696 | 0.694 |  |  |  |
| Turbidity      | 367   | 261   | 180   | 230   |  |  |  |
| D.O.           | 5.47  | 5.57  | 5.43  | 5.19  |  |  |  |
| Temperature    | 23.08 | 23.71 | 24.47 | 24.88 |  |  |  |
| ORP            | 9     | -9    | -13   | -18   |  |  |  |
| Purge Rate     |       |       |       |       |  |  |  |
| Gallons Purged | 0     | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |      |               |             |
|--------------|------|---------------|-------------|
| Time         | 1434 | Sample ID     | B-58-052913 |
| pH           |      | Duplicates    |             |
| Conductivity |      | QA/QC Volumes |             |
| Turbidity    |      |               |             |
| D.O.         |      |               |             |
| Temperature  |      |               |             |
| ORP          |      |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume



# Fremont

## Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

### Chain of Custody Record

Date: 7-23-13

Laboratory Project No (internal):

Page: 1 of: 3

Client: Floyd Smith

Project Name: Fox Area

Address:

Location: Fox Area

City, State, Zip Tel:

Collected by: J. Nesic & C. Gallagher

Reports To (PM): Tom Colligan

Fax:

Email: tom.colligan@fremontanalytical.com

Project No: K0183000

| Sample Name         | Sample Date | Sample Time | Sample Type (Matrix) | VOC (EPA 8260) | GC/BTEX by EPA 8021b | BTEX by 8260 | Gasoline Range Organics | Hydrocarbon Identification (HCID) | Diesel/Heavy Oil Range Organics | SEMI VOL (EPA 8270) | PAH (EPA 8270 - SIM) | PCBs (EPA 8082) | CI Pesticides (EPA 8081) | CI Herbicides (EPA 8081) | Metals* (6020 / 200.8) | Total (T) / Dissolved (D) | Anions (IC)** | Bromine Chlorine | TOL | Comments/Depth |
|---------------------|-------------|-------------|----------------------|----------------|----------------------|--------------|-------------------------|-----------------------------------|---------------------------------|---------------------|----------------------|-----------------|--------------------------|--------------------------|------------------------|---------------------------|---------------|------------------|-----|----------------|
| 1 MW-5-072213       | 7/22/13     | 0836        | Ag                   | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           |               |                  |     | 10'            |
| 2 MW-6-072213       | 7/22/13     | 0912        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           |               |                  |     | 40'            |
| 3 B-32a-072213      | 7/22/13     | 0948        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           | X             |                  |     | 32'            |
| 4 B-34-072213       | 7/22/13     | 1016        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           |               |                  |     | 11'            |
| 5 B-65-072213       | 7/22/13     | 1058        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           |               |                  |     | 32'            |
| 6 B-64-072213       | 7/22/13     | 1135        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           |               |                  |     | 11'            |
| 7 B-61-072213       | 7/22/13     | 1404        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           |               |                  |     | 42'            |
| 8 B-60-072213       | 7/22/13     | 1429        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           | X             |                  |     | 11'            |
| 9 B-58-072213       | 7/22/13     | 1505        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           |               |                  |     | 11'            |
| 10 RI-1w9-11-072313 | 7/23/13     | 0836        |                      | X              |                      |              |                         |                                   |                                 |                     |                      |                 |                          |                          |                        |                           | X             | X                |     | 11'            |

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished Date/Time

Received

Date/Time

x 7/23/13 1541

x 7/23/13 1541

Relinquished Date/Time

Received

Date/Time

x

TAT --> Next Day 2 Day 3 Day STD



# Fremont

Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

## Chain of Custody Record

Laboratory Project No (internal): \_\_\_\_\_

Date: 7/23/13

Page: 2 of: 3

Client: Floyd Snider

Project Name: For Aue

Address: \_\_\_\_\_

Location: For Aue

City, State, Zip \_\_\_\_\_ Tel: \_\_\_\_\_

Collected by: J. Neste C. Gallagher

Reports To (PM): Tom Colligan

Fax: \_\_\_\_\_

Email: tom.colligan@fremontanalytical.com

Project No: K0183000

| Sample Name         | Sample Date | Sample Time | Sample Type (Matrix) | VOC (EPA 8260) | GX/BTEX by EPA 8021b | BTEX by 8260 | Gasoline Range Organics | Hydrocarbon Identification (HCID) | SEMI VOL (EPA 8270) | PAH (EPA 8270 - SIM) | PCBs (EPA 8082) | CI Pesticides (EPA 8081) | CI Herbicides (EPA 8151A) | Metals* (6020 / 200.8) | Total (T)   Dissolved (D) | Anions (IC)** | Dissolved (Trans) | TOL | Comments/Depth         |
|---------------------|-------------|-------------|----------------------|----------------|----------------------|--------------|-------------------------|-----------------------------------|---------------------|----------------------|-----------------|--------------------------|---------------------------|------------------------|---------------------------|---------------|-------------------|-----|------------------------|
| 1 NW1-2-072313      | 7/23/13     | 0933        | AD                   | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | 11'                    |
| 2 RI-IW10-11-072313 | 7/23/13     | 1017        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        | X                         | X             |                   |     | 11'                    |
| 3 RI-IW11-12-072313 | 7/23/13     | 1117        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | 12'                    |
| 4 SP-01-072313      | 7/23/13     | 1223        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | TDS: 6.30 ppt, Seep 1  |
| 5 SP-02-072313      | 7/23/13     | 1228        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | TDS: 10.00 ppt, Seep 2 |
| 6 SP-03-072313      | 7/23/13     | 1241        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | TDS: 4.40 ppt, Seep 3  |
| 7 SP-04-072313      | 7/23/13     | 1248        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | TDS: 9.40 ppt, Seep 4  |
| 8 NW1-1-072313      | 7/23/13     | 1337        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | 11'                    |
| 9 RI-IW13-12-072313 | 7/23/13     | 1418        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        | X                         | X             |                   |     | 12'                    |
| 10 DUP1-072213      | 7/22/13     | 0800        |                      | X              |                      |              |                         |                                   |                     |                      |                 |                          |                           |                        |                           |               |                   |     | B-33a                  |

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished Date/Time Received Date/Time

x Same 7/23/13 1541 x [Signature] 7/23/13 1541

Relinquished Date/Time Received Date/Time

x \_\_\_\_\_ x \_\_\_\_\_

cc Tom McKee  
Justin Neste

TAT --> Next Day 2 Day 3 Day STD



# Fremont

Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

## Chain of Custody Record

Laboratory Project No (internal): \_\_\_\_\_

Date: 7/23/13

Page: 3 of: 3

Client: Floyd Snider

Project Name: Fox Hill

Address: \_\_\_\_\_

Location: Fox Hill

City, State, Zip: \_\_\_\_\_ Tel: \_\_\_\_\_

Collected by: Tom Colligan (Gallagher)

Reports To (PM): Tom Colligan

Fax: \_\_\_\_\_

Email: tom.colligan@floyd-snider.com

Project No: K0183000

| Sample Name            | Sample Date    | Sample Time | Sample Type (Matrix) |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  | Comments/Depth |
|------------------------|----------------|-------------|----------------------|----------------|----------------------|--------------|-------------------------|-----------------------------------|---------------------------------|---------------------|----------------------|-----------------|---------------|--------------------------|------------------------|-----------|---------------|--|--|----------------|
|                        |                |             |                      | VOC (EPA 8260) | GX/BTEX by EPA 8021b | BTEX by 8260 | Gasoline Range Organics | Hydrocarbon Identification (HCID) | Diesel/Heavy Oil Range Organics | SEMI VOL (EPA 8270) | PAH (EPA 8270 - SIM) | PCBs (EPA 8082) | CI Pesticides | CI Herbicides (EPA 8081) | Metals* (6020 / 200.8) | Total (T) | Anions (IC)** |  |  |                |
| 1 <u>Dup 2- 072313</u> | <u>7/23/13</u> | <u>0800</u> | <u>AG</u>            | <u>X</u>       |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  | <u>NW 1-1</u>  |
| 2                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 3                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 4                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 5                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 6                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 7                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 8                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 9                      |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |
| 10                     |                |             |                      |                |                      |              |                         |                                   |                                 |                     |                      |                 |               |                          |                        |           |               |  |  |                |

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished Date/Time Received Date/Time

x Jim 7/23/13 1541 [Signature] 7/23/13 1541

Relinquished Date/Time Received Date/Time

x \_\_\_\_\_ \_\_\_\_\_

cc Tom McKinnon  
Tustin Waste

TAT--> Next Day 2 Day 3 Day STD

### Well Sampling Data Sheet

|                 |         |                   |             |
|-----------------|---------|-------------------|-------------|
| Date            | 7/22/13 | Site Location     | Fox Ave SEW |
| Samplers        | JN      | Well ID           | MW-5 10'    |
| Casing Material | PVC     | Constructed Depth |             |
| Casing Diameter | 2"      | Condition of Well |             |

#### Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 0812  | Depth Measured From: |                           |
| Depth to Water | 10.29 |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0815 | Purge End Time | 0839 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |            |       |       |       |  |  |  |
|----------------|------------|-------|-------|-------|--|--|--|
| Time           | 0816       | 0821  | 0826  | 0831  |  |  |  |
| pH             | 5.16       | 5.55  | 5.72  | 5.80  |  |  |  |
| Conductivity   | 5.50 mS/cm | 5.46  | 5.44  | 5.45  |  |  |  |
| Turbidity      | 15.2 NTU   | 9.5   | 3.9   | 1.6   |  |  |  |
| D.O.           | 5.03 mg/L  | 4.38  | 3.72  | 3.68  |  |  |  |
| Temperature    | 14.34 °C   | 14.05 | 13.91 | 13.86 |  |  |  |
| ORP            | 218        | 206   | 198   | 194   |  |  |  |
| Purge Rate     |            |       |       |       |  |  |  |
| Gallons Purged | 0          | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 0836  | Sample ID     | MW-5-072213 |
| pH           | 5.85  | Duplicates    |             |
| Conductivity | 5.46  | QA/QC Volumes |             |
| Turbidity    | 1.7   |               |             |
| D.O.         | 3.66  |               |             |
| Temperature  | 13.92 |               |             |
| ORP          | 191   |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Horiba calibrated OK.  
No odor to water

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |             |                   |             |
|-----------------|-------------|-------------------|-------------|
| Date            | 7 / 22 / 13 | Site Location     | FOX Ave SBW |
| Samplers        | JN          | Well ID           | MW-6 40'    |
| Casing Material | PVC         | Constructed Depth |             |
| Casing Diameter | 2"          | Condition of Well |             |

#### Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 0850  | Depth Measured From: |                           |
| Depth to Water | 12.82 |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0851 | Purge End Time | 0915 |                 |             |
| Approximate Gallons Purged |      |                | 20   |                 |             |

#### Water Monitoring Conditions:

|                |            |       |       |       |  |  |  |
|----------------|------------|-------|-------|-------|--|--|--|
| Time           | 0852       | 0857  | 0902  | 0907  |  |  |  |
| pH             | 5.94       | 5.86  | 5.84  | 5.86  |  |  |  |
| Conductivity   | 3.22 MS/cm | 3.33  | 3.29  | 3.19  |  |  |  |
| Turbidity      | 0.0        | 259   | 237   | 239   |  |  |  |
| D.O.           | 8.80 mg/L  | 0.94  | 0.84  | 0.76  |  |  |  |
| Temperature    | 14.06      | 13.95 | 13.91 | 13.91 |  |  |  |
| ORP            | 177        | 175   | 176   | 175   |  |  |  |
| Purge Rate     |            |       |       |       |  |  |  |
| Gallons Purged | 0          | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 0912  | Sample ID     | MW-6-072213 |
| pH           | 5.87  | Duplicates    |             |
| Conductivity | 2.69  | QA/QC Volumes |             |
| Turbidity    | 194   |               |             |
| D.O.         | 0.68  |               |             |
| Temperature  | 13.93 |               |             |
| ORP          | 174   |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Thick orange turbid water initially

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |           |                   |                    |
|-----------------|-----------|-------------------|--------------------|
| Date            | 7/22/13   | Site Location     | For Ave Myrtle St. |
| Samplers        | JN        | Well ID           | B-339 32'          |
| Casing Material | PVC Steel | Constructed Depth |                    |
| Casing Diameter | 2"        | Condition of Well |                    |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 0925 | Depth Measured From: |                           |
| Depth to Water | 1.79 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0927 | Purge End Time | 0950 |                 |             |
| Approximate Gallons Purged |      | 2.0            |      |                 |             |

#### Water Monitoring Conditions:

|                |             |       |       |       |  |  |  |
|----------------|-------------|-------|-------|-------|--|--|--|
| Time           | 0928        | 0933  | 0938  | 0943  |  |  |  |
| pH             | 6.53        | 6.01  | 5.99  | 5.91  |  |  |  |
| Conductivity   | 0.841 mS/cm | 0.820 | 0.820 | 0.811 |  |  |  |
| Turbidity      | 488 NTU     | 107   | 28.5  | 21.7  |  |  |  |
| D.O.           | 1.03 mg/L   | 1.10  | 0.47  | 0.42  |  |  |  |
| Temperature    | 14.38       | 14.25 | 14.27 | 14.31 |  |  |  |
| ORP            | 64          | 23    | 17    | 18    |  |  |  |
| Purge Rate     |             |       |       |       |  |  |  |
| Gallons Purged | 0           | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |                    |
|--------------|-------|---------------|--------------------|
| Time         | 0948  | Sample ID     | B-339-072213       |
| pH           | 5.77  | Duplicates    | Dup1-072213 ~ 0800 |
| Conductivity | 0.799 | QA/QC Volumes |                    |
| Turbidity    | 30.5  |               |                    |
| D.O.         | 0.41  |               |                    |
| Temperature  | 14.43 |               |                    |
| ORP          | 20    |               |                    |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |   |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|---|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |   |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) | X |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |   |

#### Sampling Notes:

No reducing odor, smells like salt water.  
Effervescing

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |             |                   |            |
|-----------------|-------------|-------------------|------------|
| Date            | 7 / 22 / 13 | Site Location     | FOR AVE    |
| Samplers        | JW 169      | Well ID           | B-34 - 11' |
| Casing Material | PVC         | Constructed Depth |            |
| Casing Diameter | 2" steel    | Condition of Well |            |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 0958 | Depth Measured From: |                           |
| Depth to Water | 7.50 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0953 | Purge End Time | 1018 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |            |            |       |       |  |  |  |
|----------------|------------|------------|-------|-------|--|--|--|
| Time           | 0956       | 1001       | 1006  | 1011  |  |  |  |
| pH             | 5.30       | 6.15       | 6.34  | 6.43  |  |  |  |
| Conductivity   | 5.18 mS/cm | 11.6 mS/cm | 11.8  | 12.4  |  |  |  |
| Turbidity      | 720        | 129        | 116   | 52.3  |  |  |  |
| D.O.           | 2.94 %L    | 1.62       | 1.64  | 1.83  |  |  |  |
| Temperature    | 16.05      | 16.68      | 16.80 | 16.84 |  |  |  |
| ORP            | 80 mV      | 35         | 19    | 22    |  |  |  |
| Purge Rate     |            |            |       |       |  |  |  |
| Gallons Purged | 0          | 0.5        | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 1016  | Sample ID     | B-34-072213 |
| pH           | 6.47  | Duplicates    |             |
| Conductivity | 12.6  | QA/QC Volumes |             |
| Turbidity    | 31.5  |               |             |
| D.O.         | 1.32  |               |             |
| Temperature  | 16.84 |               |             |
| ORP          | 21    |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |             |                   |          |
|-----------------|-------------|-------------------|----------|
| Date            | 7 / 22 / 13 | Site Location     | Fox Run  |
| Samplers        | JW 67       | Well ID           | B-65 32' |
| Casing Material | PVC         | Constructed Depth |          |
| Casing Diameter | 2"          | Condition of Well |          |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1036 | Depth Measured From: |                           |
| Depth to Water | 8.92 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1037 | Purge End Time | 1100 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |            |            |       |       |  |  |  |
|----------------|------------|------------|-------|-------|--|--|--|
| Time           | 1037       | 1043       | 1048  | 1053  |  |  |  |
| pH             | 6.93       | 5.23       | 5.31  | 5.33  |  |  |  |
| Conductivity   | 3.10 mS/cm | 1.28 mS/cm | 1.09  | 1.06  |  |  |  |
| Turbidity      | 181        | 128        | 119   | 114   |  |  |  |
| D.O.           | 1.29       | 1.45       | 1.18  | 0.95  |  |  |  |
| Temperature    | 15.26      | 15.84      | 15.89 | 15.66 |  |  |  |
| ORP            | 2          | 40         | 39    | 36    |  |  |  |
| Purge Rate     |            | -          | -     | -     |  |  |  |
| Gallons Purged | 0          | 0.5        | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 1058  | Sample ID     | B-65-072213 |
| pH           | 5.48  | Duplicates    |             |
| Conductivity | 1.05  | QA/QC Volumes |             |
| Turbidity    | 89.4  |               |             |
| D.O.         | 0.71  |               |             |
| Temperature  | 15.77 |               |             |
| ORP          | 24.25 |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | ✓ | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

|              |  |                                                                                  |                      |
|--------------|--|----------------------------------------------------------------------------------|----------------------|
| Effluviscing |  | Well                                                                             |                      |
|              |  | Diameter                                                                         | Well Volume (Gal/ft) |
|              |  | 1 inch                                                                           | 0.041                |
|              |  | 2 inch                                                                           | 0.163                |
|              |  | 4 inch                                                                           | 0.653                |
|              |  | 6 inch                                                                           | 1.469                |
|              |  | Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume |                      |

### Well Sampling Data Sheet

|                 |             |                   |            |
|-----------------|-------------|-------------------|------------|
| Date            | 7 / 22 / 13 | Site Location     | Fox Ave    |
| Samplers        | JN          | Well ID           | B-64 - 11' |
| Casing Material | PVC         | Constructed Depth |            |
| Casing Diameter | 2"          | Condition of Well |            |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1105 | Depth Measured From: |                           |
| Depth to Water | 7.90 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1106 | Purge End Time | 1136 |                 |             |
| Approximate Gallons Purged |      |                | 1.5  |                 |             |

#### Water Monitoring Conditions:

|                |             |             |       |  |  |  |  |
|----------------|-------------|-------------|-------|--|--|--|--|
| Time           | 1110        | 1125        | 1130  |  |  |  |  |
| pH             | 5.62        | 5.40        | 5.40  |  |  |  |  |
| Conductivity   | 0.684 mS/cm | 0.395 mS/cm | 0.320 |  |  |  |  |
| Turbidity      | 238 NTU     | 111         | 39.5  |  |  |  |  |
| D.O.           | 1.97 mg/L   | 0.52        | 0.55  |  |  |  |  |
| Temperature    | 16.62       | 15.94       | 15.91 |  |  |  |  |
| ORP            | 48          | 51          | 52    |  |  |  |  |
| Purge Rate     |             |             |       |  |  |  |  |
| Gallons Purged | 0           | 0.5         | 1.0   |  |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 1135  | Sample ID     | B-64-072213 |
| pH           | 5.37  | Duplicates    |             |
| Conductivity | 0.306 | QA/QC Volumes |             |
| Turbidity    | 15.1  |               |             |
| D.O.         | 0.55  |               |             |
| Temperature  | 16.12 |               |             |
| ORP          | 55    |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |                                   |  |
|-------------------|---|---------------------|----------------------------|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch                      0.041  
2 inch                      0.163  
4 inch                      0.653  
6 inch                      1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |           |                   |          |
|-----------------|-----------|-------------------|----------|
| Date            | 7/ 22/ 13 | Site Location     | FoxAm    |
| Samplers        | SW        | Well ID           | B-61 42' |
| Casing Material | PVC       | Constructed Depth |          |
| Casing Diameter | 2"        | Condition of Well |          |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1340 | Depth Measured From: |                           |
| Depth to Water | 9.56 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1342 | Purge End Time | 1406 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |             |       |       |       |  |  |  |
|----------------|-------------|-------|-------|-------|--|--|--|
| Time           | 1344        | 1349  | 1354  | 1401  |  |  |  |
| pH             | 5.85        | 5.88  | 5.92  | 6.02  |  |  |  |
| Conductivity   | 0.700 ms/cm | 0.697 | 0.683 | 0.672 |  |  |  |
| Turbidity      | 112         | 99.0  | 291   | 59.8  |  |  |  |
| D.O.           | 2.72        | 2.60  | 1.62  | 1.67  |  |  |  |
| Temperature    | 31.22       | 28.89 | 31.25 | 24.55 |  |  |  |
| ORP            | 45          | 33    | 23    | 0     |  |  |  |
| Purge Rate     | -           |       |       |       |  |  |  |
| Gallons Purged | 0           | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 1404  | Sample ID     | B-61-072213 |
| pH           | 6.04  | Duplicates    |             |
| Conductivity | 0.690 | QA/QC Volumes |             |
| Turbidity    | 42.2  |               |             |
| D.O.         | 1.64  |               |             |
| Temperature  | 23.51 |               |             |
| ORP          | 1     |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | ✓ | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Effervescing  
reducing odor

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |          |
|-----------------|---------|-------------------|----------|
| Date            | 7/22/13 | Site Location     | For Am   |
| Samplers        | JN 61   | Well ID           | B-60 11' |
| Casing Material | PVC     | Constructed Depth |          |
| Casing Diameter | 2"      | Condition of Well |          |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1406 | Depth Measured From: |                           |
| Depth to Water | 9.29 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |  |             |
|----------------------------|------|----------------|------|-----------------|--|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   |  | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel |  | Other:      |
| Purge Start Time           | 1408 | Purge End Time | 1430 |                 |  |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |  |             |

#### Water Monitoring Conditions:

|                |             |            |       |       |  |  |  |
|----------------|-------------|------------|-------|-------|--|--|--|
| Time           | 1409        | 1414       | 1419  | 1424  |  |  |  |
| pH             | 5.99        | 5.80       | 5.59  | 5.62  |  |  |  |
| Conductivity   | 0.896 mS/cm | 1.04 mS/cm | 1.06  | 1.07  |  |  |  |
| Turbidity      | 61.0        | 88.6       | 95.4  | 87.3  |  |  |  |
| D.O.           | 2.57 mg/L   | 1.73       | 1.39  | 1.20  |  |  |  |
| Temperature    | 27.34       | 33.06      | 34.88 | 35.54 |  |  |  |
| ORP            | 11          | 7          | 15    | 5     |  |  |  |
| Purge Rate     |             |            |       |       |  |  |  |
| Gallons Purged | 0           | 0.5        | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |             |
|--------------|-------|---------------|-------------|
| Time         | 1429  | Sample ID     | B-60-072213 |
| pH           | 5.74  | Duplicates    |             |
| Conductivity | 1.08  | QA/QC Volumes |             |
| Turbidity    | 77.7  |               |             |
| D.O.         | 0.85  |               |             |
| Temperature  | 35.53 |               |             |
| ORP          | -5    |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |   |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|---|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |   |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) | X |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |   |

#### Sampling Notes:

|                                       |  |                                                                                                                                                                                                                                       |  |
|---------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| yellow tint to water<br>reducing odor |  | Well Diameter    Well Volume (Gal/ft)<br>1 inch            0.041<br>2 inch            0.163<br>4 inch            0.653<br>6 inch            1.469<br>Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume |  |
|---------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

### Well Sampling Data Sheet

|                 |         |                   |          |
|-----------------|---------|-------------------|----------|
| Date            | 7/22/13 | Site Location     | For Am   |
| Samplers        | JN      | Well ID           | B-58 11' |
| Casing Material | PVC     | Constructed Depth |          |
| Casing Diameter | 2"      | Condition of Well |          |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1445 | Depth Measured From: |                           |
| Depth to Water | 9.60 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |       |                 |             |
|----------------------------|------|----------------|-------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X     | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |       | Stainless Steel | Other:      |
| Purge Start Time           | 1447 | Purge End Time | 1507  |                 |             |
| Approximate Gallons Purged |      |                | 261.5 |                 |             |

#### Water Monitoring Conditions:

|                |             |       |       |       |  |  |  |
|----------------|-------------|-------|-------|-------|--|--|--|
| Time           | 1450        | 1455  | 1500  | 1505  |  |  |  |
| pH             | 6.43        | 6.07  | 6.17  | 6.28  |  |  |  |
| Conductivity   | 0.866 mS/cm | 0.842 | 0.836 | 0.837 |  |  |  |
| Turbidity      | 0.55-1.52   | 1.07  | 1.01  | 78.5  |  |  |  |
| D.O.           | 0.33        | 0.30  | 0.27  | 0.27  |  |  |  |
| Temperature    | 30.64       | 31.94 | 32.44 | 32.34 |  |  |  |
| ORP            | -4          | -14   | -56   | -73   |  |  |  |
| Purge Rate     |             |       |       |       |  |  |  |
| Gallons Purged | 0           | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |      |               |             |
|--------------|------|---------------|-------------|
| Time         | 1505 | Sample ID     | B-58-072213 |
| pH           |      | Duplicates    |             |
| Conductivity |      | QA/QC Volumes |             |
| Turbidity    |      |               |             |
| D.O.         |      |               |             |
| Temperature  |      |               |             |
| ORP          |      |               |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

yellow tint to water  
slight reducing odor

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |              |
|-----------------|---------|-------------------|--------------|
| Date            | 7/23/13 | Site Location     | Fox Ave      |
| Samplers        | JN      | Well ID           | R1-IW9 - 11' |
| Casing Material | PVC     | Constructed Depth |              |
| Casing Diameter | 4"      | Condition of Well |              |

#### Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 0809  | Depth Measured From: |                           |
| Depth to Water | 10.05 |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |  |             |
|----------------------------|------|----------------|------|-----------------|--|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   |  | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel |  | Other:      |
| Purge Start Time           | 0820 | Purge End Time | 0838 |                 |  |             |
| Approximate Gallons Purged |      |                | 1.5  |                 |  |             |

#### Water Monitoring Conditions:

|                |            |       |       |  |  |  |  |
|----------------|------------|-------|-------|--|--|--|--|
| Time           | 0821       | 0826  | 0831  |  |  |  |  |
| pH             | 4.80       | 4.14  | 4.17  |  |  |  |  |
| Conductivity   | 2.30 mS/cm | 2.19  | 2.11  |  |  |  |  |
| Turbidity      | 0.0 NTU    | 0.0   | 0.0   |  |  |  |  |
| D.O.           | 2.71 mg/L  | 1.60  | 1.09  |  |  |  |  |
| Temperature    | 16.13      | 15.75 | 15.57 |  |  |  |  |
| ORP            | 213        | 218   | 209   |  |  |  |  |
| Purge Rate     |            |       |       |  |  |  |  |
| Gallons Purged | 0.         | 0.5   | 1.0   |  |  |  |  |

#### Sampling Data:

|              |       |               |                  |
|--------------|-------|---------------|------------------|
| Time         | 0836  | Sample ID     | R1-IW9-11-072313 |
| pH           | 4.18  | Duplicates    |                  |
| Conductivity | 2.01  | QA/QC Volumes |                  |
| Turbidity    | 0.0   |               |                  |
| D.O.         | 0.95  |               |                  |
| Temperature  | 15.58 |               |                  |
| ORP          | 201   |               |                  |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |   |                                   |   |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|---|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |   |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) | X |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 |   |

#### Sampling Notes:

Station calibrated on 7/23/13  
Strong Reducing odor  
Slight effervescence

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |           |
|-----------------|---------|-------------------|-----------|
| Date            | 7/23/13 | Site Location     | Fox Ave   |
| Samplers        | JN      | Well ID           | NW1-2 11' |
| Casing Material | PVC     | Constructed Depth |           |
| Casing Diameter | 2"      | Condition of Well |           |

#### Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 0906  | Depth Measured From: |                           |
| Depth to Water | 10.25 |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0910 | Purge End Time | 0935 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |            |       |       |       |  |  |  |
|----------------|------------|-------|-------|-------|--|--|--|
| Time           | 0913       | 0918  | 0923  | 0928  |  |  |  |
| pH             | 3.49       | 4.07  | 4.24  | 4.32  |  |  |  |
| Conductivity   | 1.77 mS/cm | 1.18  | 1.01  | 0.918 |  |  |  |
| Turbidity      | 0.0        | 612   | 300   | 210   |  |  |  |
| D.O.           | 1.79 mg/L  | 1.63  | 0.77  | 0.60  |  |  |  |
| Temperature    | 17.34      | 16.72 | 16.60 | 16.57 |  |  |  |
| ORP            | 129        | 84    | 81    | 89    |  |  |  |
| Purge Rate     |            |       |       |       |  |  |  |
| Gallons Purged | 0          | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |              |
|--------------|-------|---------------|--------------|
| Time         | 0933  | Sample ID     | NW1-2-072313 |
| pH           | 4.33  | Duplicates    |              |
| Conductivity | 0.895 | QA/QC Volumes |              |
| Turbidity    | 210   |               |              |
| D.O.         | 0.53  |               |              |
| Temperature  | 16.55 |               |              |
| ORP          | 94    |               |              |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Very strong reducing odor

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |             |
|-----------------|---------|-------------------|-------------|
| Date            | 7/23/13 | Site Location     | FOX A       |
| Samplers        | JN      | Well ID           | R1-JW10-11' |
| Casing Material | PVC     | Constructed Depth |             |
| Casing Diameter | 4"      | Condition of Well |             |

#### Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 0950  | Depth Measured From: |                           |
| Depth to Water | 10.44 |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0955 | Purge End Time | 1019 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |                 |       |       |       |  |  |  |
|----------------|-----------------|-------|-------|-------|--|--|--|
| Time           | 0957            | 1002  | 1007  | 1012  |  |  |  |
| pH             | 5.64            | 6.02  | 5.87  | 5.62  |  |  |  |
| Conductivity   | 13.7 $\mu S/cm$ | 10.2  | 8.32  | 6.64  |  |  |  |
| Turbidity      | 0.0             | 0.0   | 0.0   | 0.0   |  |  |  |
| D.O.           | 5.31            | 0.67  | 0.52  | 0.44  |  |  |  |
| Temperature    | 17.35           | 17.40 | 17.44 | 17.41 |  |  |  |
| ORP            | 14              | -56   | -61   | -49   |  |  |  |
| Purge Rate     |                 |       |       |       |  |  |  |
| Gallons Purged | 0               | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1017  | Sample ID     | R1-JW10-11-072313 |
| pH           | 5.50  | Duplicates    |                   |
| Conductivity | 6.13  | QA/QC Volumes |                   |
| Turbidity    | 0.0   |               |                   |
| D.O.         | 0.40  |               |                   |
| Temperature  | 17.41 |               |                   |
| ORP          | -41   |               |                   |

3.84 g/L TDS

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |   |                                   |   |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|---|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |   |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) | X |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 |   |

#### Sampling Notes:

water mixed w/ yeast extract

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |               |
|-----------------|---------|-------------------|---------------|
| Date            | 7/23/13 | Site Location     | Fox Ave       |
| Samplers        | JN      | Well ID           | R1-Well - 12' |
| Casing Material | PVC     | Constructed Depth |               |
| Casing Diameter | 4"      | Condition of Well | Good          |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1055 | Depth Measured From: |                           |
| Depth to Water | 9.05 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1058 | Purge End Time | 1119 |                 |             |
| Approximate Gallons Purged |      |                | 1.5  |                 |             |

#### Water Monitoring Conditions:

|                |             |       |       |  |  |  |  |
|----------------|-------------|-------|-------|--|--|--|--|
| Time           | 1102        | 1107  | 1112  |  |  |  |  |
| pH             | 4.67        | 4.49  | 4.45  |  |  |  |  |
| Conductivity   | 0.538 uS/cm | 0.468 | 0.465 |  |  |  |  |
| Turbidity      | 206         | 183   | 186   |  |  |  |  |
| D.O.           | 1.54 mg/L   | 0.98  | 0.56  |  |  |  |  |
| Temperature    | 16.94       | 16.75 | 16.35 |  |  |  |  |
| ORP            | 28          | 32    | 26    |  |  |  |  |
| Purge Rate     |             |       |       |  |  |  |  |
| Gallons Purged | 0           | 0.5   | 1.0   |  |  |  |  |

#### Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1117  | Sample ID     | R1-Well-12-072313 |
| pH           | 4.47  | Duplicates    |                   |
| Conductivity | 0.455 | QA/QC Volumes |                   |
| Turbidity    | 189   |               |                   |
| D.O.         | 0.49  |               |                   |
| Temperature  | 16.24 |               |                   |
| ORP          | 22    |               |                   |

0.295 g/L TDS

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |           |                   |           |
|-----------------|-----------|-------------------|-----------|
| Date            | 7/23 / 13 | Site Location     | Fox Ave   |
| Samplers        | JN        | Well ID           | NW1-1 11' |
| Casing Material | PVC       | Constructed Depth |           |
| Casing Diameter | 2"        | Condition of Well |           |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1315 | Depth Measured From: |                           |
| Depth to Water | 9.41 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1322 | Purge End Time | 1339 |                 |             |
| Approximate Gallons Purged |      |                | 1.5  |                 |             |

#### Water Monitoring Conditions:

|                |             |       |       |  |  |  |  |
|----------------|-------------|-------|-------|--|--|--|--|
| Time           | 1322        | 1327  | 1332  |  |  |  |  |
| pH             | 5.66        | 5.29  | 5.24  |  |  |  |  |
| Conductivity   | 0.747 mS/cm | 0.684 | 0.714 |  |  |  |  |
| Turbidity      | 73.4        | 27.4  | 16.4  |  |  |  |  |
| D.O.           | 1.16 mg/L   | 0.79  | 0.63  |  |  |  |  |
| Temperature    | 20.52       | 19.70 | 19.43 |  |  |  |  |
| ORP            | 53          | 61    | 57    |  |  |  |  |
| Purge Rate     |             |       |       |  |  |  |  |
| Gallons Purged | 0           | 0.5   | 1.0   |  |  |  |  |

#### Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1337  | Sample ID     | NW1-1-072313      |
| pH           | 5.25  | Duplicates    | Dup 2-072313 0800 |
| Conductivity | 0.753 | QA/QC Volumes |                   |
| Turbidity    | 15.5  |               |                   |
| D.O.         | 0.56  |               |                   |
| Temperature  | 19.10 |               |                   |
| ORP          | 53    |               |                   |

0.483 g/L TDS

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |  |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 |  |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |                  |
|-----------------|---------|-------------------|------------------|
| Date            | 7/23/13 | Site Location     | R1-IW13-12 FoxAm |
| Samplers        | JN      | Well ID           | ↓                |
| Casing Material | PVC     | Constructed Depth |                  |
| Casing Diameter | 4"      | Condition of Well |                  |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1352 | Depth Measured From: |                           |
| Depth to Water | 8.70 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1356 | Purge End Time | 1420 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |             |       |       |       |  |  |  |
|----------------|-------------|-------|-------|-------|--|--|--|
| Time           | 1358        | 1403  | 1408  | 1413  |  |  |  |
| pH             | 5.02        | 4.08  | 4.27  | 4.36  |  |  |  |
| Conductivity   | 0.273 mS/cm | 0.242 | 0.248 | 0.254 |  |  |  |
| Turbidity      | 991         | 817   | 688   | 476   |  |  |  |
| D.O.           | 2.36 mg/L   | 1.34  | 1.02  | 0.75  |  |  |  |
| Temperature    | 27.02       | 26.92 | 26.79 | 26.75 |  |  |  |
| ORP            | 96          | 122   | 98    | 85    |  |  |  |
| Purge Rate     |             |       |       |       |  |  |  |
| Gallons Purged | 0           | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |                   |
|--------------|-------|---------------|-------------------|
| Time         | 1418  | Sample ID     | R1-IW13-12-072313 |
| pH           | 4.41  | Duplicates    |                   |
| Conductivity | 0.259 | QA/QC Volumes |                   |
| Turbidity    | 428   |               |                   |
| D.O.         | 0.64  |               |                   |
| Temperature  | 26.76 |               |                   |
| ORP          | 103   |               |                   |

0.168 mg/L TDS

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |   |                                   |   |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|---|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |   |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) | X |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 |   |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch                      0.041  
2 inch                      0.163  
4 inch                      0.653  
6 inch                      1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume



# Fremont

Analytical

## Chain of Custody Record

3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

Date: 7/24/13

Laboratory Project No (internal): \_\_\_\_\_

Page: 1 of: 2

Client: Floyd Snider  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_ Tel: \_\_\_\_\_

Project Name: Fox Ave  
Location: Fox Ave  
Collected by: J. N. S. (C. Walker)

Reports To (PM): Tom Colligan Fax: \_\_\_\_\_ Email: tom.colligan@fremontanalytical.com Project No: K0133000

| Sample Name          | Sample Date | Sample Time | Sample Type (Matrix) | Analysis Methods |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               |     |                  | Comments/Depth             |
|----------------------|-------------|-------------|----------------------|------------------|----------------------|--------------|-------------------------|----------------------------------|---------------------------------|---------------------|----------------|-----------------------|--------------------------|--------------------------|------------------------|---------------------------|---------------|-----|------------------|----------------------------|
|                      |             |             |                      | VOC (EPA 8260)   | GX/BTEX by EPA 8021b | BTEX by 8260 | Gasoline Range Organics | Hydrocarbon Identification (HID) | Diesel/Heavy Oil Range Organics | SEMI VOL (EPA 8270) | PAH (EPA 8270) | PCBs (EPA 8270 - SIM) | CI Pesticides (EPA 8082) | CI Herbicides (EPA 8081) | Metals* (6020 / 200.8) | Total (T)   Dissolved (D) | Anions (IC)** | TOC | Dissolved (7650) |                            |
| 1 RI-IWS-11-072413   | 7/24/13     | 0732        | A0                   | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   | X                | 11'                        |
| 2 RI-IW20-12-072413  | 7/24/13     | 0753        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   |                  | 12' VOC by PDB             |
| 3 RI-IW20-55-072413  | 7/24/13     | 0758        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   |                  | 55' VOC by PDB             |
| 4 RI-IW18-12-072413  | 7/24/13     | 0835        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   |                  | 12' VOC by PDB             |
| 5 RI-IW18-55-072413  | 7/24/13     | 0850        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   |                  | 55' VOC by PDB             |
| 6 RI-IW7-17-072413   | 7/24/13     | 0925        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   |                  | 17' VOC by PDB             |
| 7 RI-IW7-45-072413   | 7/24/13     | 0940        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   |                  | 45' VOC by PDB             |
| 8 RI-IW4b-50-072413  | 7/24/13     | 1015        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   |                  | 50' VOC by PDB             |
| 9 RI-IW4a-11-072413  | 7/24/13     | 1040        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               | X   | X                | 11' VOC + Dissolved by PDB |
| 10 RI-IW3a-12-072413 | 7/24/13     | 1048        |                      | X                |                      |              |                         |                                  |                                 |                     |                |                       |                          |                          |                        |                           |               |     |                  | 12' VOC by PDB             |

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

|                     |                     |                      |                     |
|---------------------|---------------------|----------------------|---------------------|
| Relinquished        | Date/Time           | Received             | Date/Time           |
| x <u>Chris Rios</u> | <u>7/24/13 1501</u> | x <u>[Signature]</u> | <u>7/24/13 1501</u> |
| Relinquished        | Date/Time           | Received             | Date/Time           |
| x                   |                     | x                    |                     |

Special Remarks:

cc Tom McKen  
Theresa Nisler

TAT --> Next Day 2 Day 3 Day STD



# Fremont

Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

## Chain of Custody Record

Laboratory Project No (internal): \_\_\_\_\_

Date: 7/24/13

Page: 2 of: 2

Client: Floyd Snider

Project Name: Box A

Address: \_\_\_\_\_

Location: Box A

City, State, Zip \_\_\_\_\_ Tel: \_\_\_\_\_

Collected by: J. N. (Gallagher)

Reports To (PM): Tom Colligan

Fax: \_\_\_\_\_

Email: Tom.Colligan@fremontanalytical.com

Project No: 140133000

| Sample Name         | Sample Date | Sample Time | Sample Type (Matrix) | VOC (EPA 8260) | GX/BTEX by EPA 8021b | BTEX by 8260 | Gasoline Range Organics | Hydrocarbon Identification (HID) | Diesel/Heavy Oil Range Organics | SEMI VOL (EPA 8270) | PAH (EPA 8270 - SIM) | PCBs (EPA 8082) | CI Pesticides (EPA 8081) | Metals* (EPA 8151A) | Total (T)   Dissolved (D) | Anions (IC**) | TOL | Dimethyl (GMS) | Comments/Depth |
|---------------------|-------------|-------------|----------------------|----------------|----------------------|--------------|-------------------------|----------------------------------|---------------------------------|---------------------|----------------------|-----------------|--------------------------|---------------------|---------------------------|---------------|-----|----------------|----------------|
| 1 B-S9-072413       | 7/24/13     | 1118        | dp                   | X              |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     |                           |               |     |                | 27'            |
| 2 RI-IW2-17-072413  | 7/24/13     | 1230        |                      | X              |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     | X                         |               |     |                | 17' VOL by PDB |
| 3 RI-IW2-60-072413  | 7/24/13     | 1250        |                      | X              |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     | X                         |               |     |                | 60' VOL by PDB |
| 4 RI-IW15-12-072413 | 7/24/13     | 1310        |                      | X              |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     | X                         |               |     |                | 12' VOC by PDB |
| 5 RI-IW15-55-072413 | 7/24/13     | 1330        |                      | X              |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     | X                         |               |     |                | 55' VOL by PDB |
| 6 Dwp3-072413       | 7/24/13     | 0800        |                      | X              |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     |                           |               |     |                | RI-IW46 50'    |
| 7                   |             |             |                      |                |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     |                           |               |     |                |                |
| 8                   |             |             |                      |                |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     |                           |               |     |                |                |
| 9                   |             |             |                      |                |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     |                           |               |     |                |                |
| 10                  |             |             |                      |                |                      |              |                         |                                  |                                 |                     |                      |                 |                          |                     |                           |               |     |                |                |

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

|                        |                     |                      |                     |
|------------------------|---------------------|----------------------|---------------------|
| Relinquished           | Date/Time           | Received             | Date/Time           |
| x <u>Justin Nestle</u> | <u>7/24/13 1501</u> | x <u>[Signature]</u> | <u>7/24/13 1501</u> |
| Relinquished           | Date/Time           | Received             | Date/Time           |
| x                      |                     | x                    |                     |

cc Tom Colligan  
Justin Nestle

TAT --> Next Day 2 Day 3 Day STD

### Well Sampling Data Sheet

|                 |         |                   |              |
|-----------------|---------|-------------------|--------------|
| Date            | 7/24/13 | Site Location     | Fox Ave      |
| Samplers        | JN 667  | Well ID           | R1-1W8 - 11' |
| Casing Material | PVC     | Constructed Depth |              |
| Casing Diameter | 4"      | Condition of Well |              |

#### Field Measurements:

|                |       |                      |                           |
|----------------|-------|----------------------|---------------------------|
| Time           | 0705  | Depth Measured From: |                           |
| Depth to Water | 10.26 |                      | Top of access port        |
|                |       | X                    | Mark on PVC casing        |
|                |       |                      | Mark of protective casing |
|                |       |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0707 | Purge End Time | 0734 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |            |       |       |       |  |  |  |
|----------------|------------|-------|-------|-------|--|--|--|
| Time           | 0712       | 0717  | 0722  | 0727  |  |  |  |
| pH             | 4.17       | 4.66  | 4.20  | 4.21  |  |  |  |
| Conductivity   | 4.30 mS/cm | 4.17  | 4.10  | 4.06  |  |  |  |
| Turbidity      | 0.0        | 0.0   | 0.0   | 0.0   |  |  |  |
| D.O.           | 1.57 mg/L  | 2.76  | 0.85  | 0.95  |  |  |  |
| Temperature    | 18.49      | 17.91 | 18.13 | 18.16 |  |  |  |
| ORP            | 203        | 181   | 147   | 142   |  |  |  |
| Purge Rate     |            |       |       |       |  |  |  |
| Gallons Purged | 0          | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |               |                  |
|--------------|-------|---------------|------------------|
| Time         | 0732  | Sample ID     | R1-1W8-11-072413 |
| pH           | 4.21  | Duplicates    |                  |
| Conductivity | 3.99  | QA/QC Volumes |                  |
| Turbidity    | 0.0   |               |                  |
| D.O.         | 0.75  |               |                  |
| Temperature  | 18.23 |               |                  |
| ORP          | 136   |               |                  |

2.55 g/L TDS

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |   |                                   |        |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|--------|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |        |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) | X      |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 | Census |

#### Sampling Notes:

Hose calibrated OK

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |         |
|-----------------|---------|-------------------|---------|
| Date            | 7/24/13 | Site Location     | FOX RUN |
| Samplers        | JN C64  | Well ID           | R1-IW20 |
| Casing Material | PVC     | Constructed Depth |         |
| Casing Diameter | 4"      | Condition of Well |         |

## Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 0750 | Depth Measured From: |                           |
| Depth to Water | 9.22 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

## Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0750 | Purge End Time | 0815 |                 |             |
| Approximate Gallons Purged |      |                | 6.0  |                 |             |

## Water Monitoring Conditions:

|                |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|
| Time           |  |  |  |  |  |  |  |
| pH             |  |  |  |  |  |  |  |
| Conductivity   |  |  |  |  |  |  |  |
| Turbidity      |  |  |  |  |  |  |  |
| D.O.           |  |  |  |  |  |  |  |
| Temperature    |  |  |  |  |  |  |  |
| ORP            |  |  |  |  |  |  |  |
| Purge Rate     |  |  |  |  |  |  |  |
| Gallons Purged |  |  |  |  |  |  |  |

## Sampling Data:

|              |  |               |                   |         |
|--------------|--|---------------|-------------------|---------|
| Time         |  | Sample ID     | R1-IW20-12-072413 | VOL TOC |
| pH           |  | Duplicates    |                   | 0753    |
| Conductivity |  | QA/QC Volumes |                   |         |
| Turbidity    |  |               |                   |         |
| D.O.         |  |               |                   |         |
| Temperature  |  |               |                   |         |
| ORP          |  |               |                   |         |
|              |  |               |                   |         |
|              |  |               |                   |         |
|              |  |               |                   |         |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                     |                            |   |                                   |  |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 |  |

## Sampling Notes:

VOCs by PDB  
Purged for TOC

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                   |
|-----------------|---------|-------------------|-------------------|
| Date            | 7/24/13 | Site Location     | Fox Ave           |
| Samplers        |         | Well ID           | R1-IW18 12' & 55' |
| Casing Material | PVC     | Constructed Depth |                   |
| Casing Diameter | 4"      | Condition of Well |                   |

## Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 0830 | Depth Measured From: |                           |
| Depth to Water | 9.14 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

## Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0830 | Purge End Time | 0835 |                 |             |
| Approximate Gallons Purged |      |                | 60.0 |                 |             |

## Water Monitoring Conditions:

|                |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|
| Time           |  |  |  |  |  |  |  |
| pH             |  |  |  |  |  |  |  |
| Conductivity   |  |  |  |  |  |  |  |
| Turbidity      |  |  |  |  |  |  |  |
| D.O.           |  |  |  |  |  |  |  |
| Temperature    |  |  |  |  |  |  |  |
| ORP            |  |  |  |  |  |  |  |
| Purge Rate     |  |  |  |  |  |  |  |
| Gallons Purged |  |  |  |  |  |  |  |

## Sampling Data:

|              |  |               |                   |                |
|--------------|--|---------------|-------------------|----------------|
| Time         |  | Sample ID     | R1-IW18-12-072413 | VOL TOC @ 0835 |
| pH           |  | Duplicates    |                   |                |
| Conductivity |  | QA/QC Volumes |                   |                |
| Turbidity    |  |               | R1-IW18-55-072413 | VOL TOC @ 0830 |
| D.O.         |  |               |                   |                |
| Temperature  |  |               |                   |                |
| ORP          |  |               |                   |                |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                     |                            |   |                                   |  |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 |  |

## Sampling Notes:

JOC by PDB  
 TOC by PDB  
 yellowish tint water, reducing odor

Well  
 Diameter    Well Volume (Gal/ft)  
 1 inch            0.041  
 2 inch            0.163  
 4 inch            0.653  
 6 inch            1.469  
 Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
 0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |           |                   |                  |
|-----------------|-----------|-------------------|------------------|
| Date            | 7/29 / 13 | Site Location     | FOX AN           |
| Samplers        | JW        | Well ID           | R1-IW7 17' + 45' |
| Casing Material | PVC       | Constructed Depth |                  |
| Casing Diameter |           | Condition of Well |                  |

## Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 0917 | Depth Measured From: |                           |
| Depth to Water | 9.04 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

## Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 0917 | Purge End Time | 0945 |                 |             |
| Approximate Gallons Purged |      |                | 3.0  |                 |             |

## Water Monitoring Conditions:

|                |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|
| Time           |  |  |  |  |  |  |  |
| pH             |  |  |  |  |  |  |  |
| Conductivity   |  |  |  |  |  |  |  |
| Turbidity      |  |  |  |  |  |  |  |
| D.O.           |  |  |  |  |  |  |  |
| Temperature    |  |  |  |  |  |  |  |
| ORP            |  |  |  |  |  |  |  |
| Purge Rate     |  |  |  |  |  |  |  |
| Gallons Purged |  |  |  |  |  |  |  |

## Sampling Data: @ 45' census after Purge

|              |             |               |                  |
|--------------|-------------|---------------|------------------|
| Time         | 0940        | Sample ID     | R1-IW7-17-072413 |
| pH           | 5.84        | Duplicates    |                  |
| Conductivity | 0.801 mS/cm | QA/QC Volumes |                  |
| Turbidity    | 114         |               |                  |
| D.O.         | 1.28 mg/L   |               |                  |
| Temperature  | 23.44       |               |                  |
| ORP          | 47          |               |                  |

VOC, TOC  
@ 0925

R1-IW7-45-072413 VOC, TOC, census  
@ 0940

0.514 S/LTDS

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                     |                            |   |                                   |              |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|--------------|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |              |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) |              |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 | X census-45' |

## Sampling Notes:

VOC by PDB  
TOC by Purge  
Census by Purge (45')

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                        |
|-----------------|---------|-------------------|------------------------|
| Date            | 7/24/13 | Site Location     | For Am                 |
| Samplers        | JN C4   | Well ID           | R1-IW4a + 4b 11' + 50' |
| Casing Material | PVC     | Constructed Depth |                        |
| Casing Diameter | 4"      | Condition of Well |                        |

## Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1000 | Depth Measured From: |                           |
| Depth to Water |      |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

$$1000 - 116 = 8.67$$

$$4a = 8.69 @ 1023$$

## Purging Information:

|                            |      |                |      |                 |  |             |
|----------------------------|------|----------------|------|-----------------|--|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   |  | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel |  | Other:      |
| Purge Start Time           | 1000 | Purge End Time | 1045 |                 |  |             |
| Approximate Gallons Purged |      | 5-0            |      |                 |  |             |

## Water Monitoring Conditions:

4a @ 11'

|                |  |  |  |               |  |  |  |
|----------------|--|--|--|---------------|--|--|--|
| Time           |  |  |  | 1040          |  |  |  |
| pH             |  |  |  | 6.24          |  |  |  |
| Conductivity   |  |  |  | 1.35 mS/cm    |  |  |  |
| Turbidity      |  |  |  | 675           |  |  |  |
| D.O.           |  |  |  | 0.99 mg/L     |  |  |  |
| Temperature    |  |  |  | 55.00 +       |  |  |  |
| ORP            |  |  |  | -62           |  |  |  |
| Purge Rate     |  |  |  | 0.865 g/L TDS |  |  |  |
| Gallons Purged |  |  |  |               |  |  |  |

## Sampling Data: 4b @ 50' census

|              |            |               |                   |                    |
|--------------|------------|---------------|-------------------|--------------------|
| Time         | 1015       | Sample ID     | R1-IW4a-11-072413 | VOL, TOL, Diss Gas |
| pH           | 6.09       | Duplicates    |                   | @ 1040             |
| Conductivity | 1.38 mS/cm | QA/QC Volumes |                   |                    |
| Turbidity    | 432        |               |                   |                    |
| D.O.         | 0.71 mg/L  |               |                   |                    |
| Temperature  | 32.56      |               |                   |                    |
| ORP          | 9          |               |                   |                    |

0.889 g/L TDS

R1-IW4b-50-072413 @ 1015

VOL, TOL, census  
Dup 3-092413  
0800

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                     |                            |   |                                   |          |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|----------|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |          |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) | X        |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 | X census |

## Sampling Notes:

VOL + Diss Gas by PDB  
TOL & census by purge  
Strong Reducing odor

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |                  |                   |             |
|-----------------|------------------|-------------------|-------------|
| Date            | 7/24/13          | Site Location     | Fox Ave     |
| Samplers        | JVC              | Well ID           | R1-IW3a-12' |
| Casing Material | PVC              | Constructed Depth |             |
| Casing Diameter | 4" <del>4"</del> | Condition of Well |             |

#### Field Measurements:

|                |      |                                                        |  |
|----------------|------|--------------------------------------------------------|--|
| Time           | 1045 | Depth Measured From:                                   |  |
| Depth to Water | 8.76 | <input checked="" type="checkbox"/> Top of access port |  |
|                |      | <input checked="" type="checkbox"/> Mark on PVC casing |  |
|                |      | <input type="checkbox"/> Mark of protective casing     |  |
|                |      | <input type="checkbox"/> Other                         |  |

#### Purging Information:

|                            |  |                |                                     |                 |  |             |
|----------------------------|--|----------------|-------------------------------------|-----------------|--|-------------|
| Pump:                      |  | Dedicated      | <input checked="" type="checkbox"/> | Non-dedicated   |  | peristaltic |
| Bailer:                    |  | PVC            |                                     | Stainless Steel |  | Other:      |
| Purge Start Time           |  | Purge End Time |                                     |                 |  |             |
| Approximate Gallons Purged |  |                |                                     |                 |  |             |

#### Water Monitoring Conditions:

|                |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|
| Time           |  |  |  |  |  |  |  |
| pH             |  |  |  |  |  |  |  |
| Conductivity   |  |  |  |  |  |  |  |
| Turbidity      |  |  |  |  |  |  |  |
| D.O.           |  |  |  |  |  |  |  |
| Temperature    |  |  |  |  |  |  |  |
| ORP            |  |  |  |  |  |  |  |
| Purge Rate     |  |  |  |  |  |  |  |
| Gallons Purged |  |  |  |  |  |  |  |

#### Sampling Data:

|              |  |               |                   |
|--------------|--|---------------|-------------------|
| Time         |  | Sample ID     | R1-IW3a-12-072413 |
| pH           |  | Duplicates    |                   |
| Conductivity |  | QA/QC Volumes |                   |
| Turbidity    |  |               |                   |
| D.O.         |  |               |                   |
| Temperature  |  |               |                   |
| ORP          |  |               |                   |

VOC @ 1048

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |                                     |                     |                            |                                   |  |
|-------------------|-------------------------------------|---------------------|----------------------------|-----------------------------------|--|
| Volatile Organics | <input checked="" type="checkbox"/> | VOCs 8260B          | SVOCs by 8270C             | Sulfate 375.2                     |  |
| Total Metals      |                                     | RCRA 8 or           | SVOCs by 8270C/SIM         | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |                                     | Priority Pollutants | Total Organic Carbon 415.1 | Other (Chlorides)                 |  |

#### Sampling Notes:

VOCs by PDB

No purge

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

|                 |         |                   |          |
|-----------------|---------|-------------------|----------|
| Date            | 7/24/13 | Site Location     | Fox Ave  |
| Samplers        | JN 04   | Well ID           | B-59 27' |
| Casing Material | PVC     | Constructed Depth |          |
| Casing Diameter | 2'      | Condition of Well |          |

#### Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1057 | Depth Measured From: |                           |
| Depth to Water | 9.66 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

#### Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1058 | Purge End Time | 1120 |                 |             |
| Approximate Gallons Purged |      |                | 2.0  |                 |             |

#### Water Monitoring Conditions:

|                |             |       |       |       |  |  |  |
|----------------|-------------|-------|-------|-------|--|--|--|
| Time           | 1058        | 1103  | 1108  | 1113  |  |  |  |
| pH             | 6.30        | 5.79  | 5.29  | 5.30  |  |  |  |
| Conductivity   | 0.787 mS/cm | 0.792 | 0.767 | 0.756 |  |  |  |
| Turbidity      | 739         | 964   | 717   | 605   |  |  |  |
| D.O.           | 2.06 mg/L   | 1.63  | 1.11  | 1.04  |  |  |  |
| Temperature    | 36.19       | 31.05 | 32.58 | 32.66 |  |  |  |
| ORP            | 4           | 25    | 47    | 47    |  |  |  |
| Purge Rate     |             |       |       |       |  |  |  |
| Gallons Purged | 0           | 0.5   | 1.0   | 1.5   |  |  |  |

#### Sampling Data:

|              |       |                |             |
|--------------|-------|----------------|-------------|
| Time         | 1118  | Sample ID      | B-59-072413 |
| pH           | 5.32  | Duplicates     |             |
| Conductivity | 0.754 | QA/QC Volumes  |             |
| Turbidity    | 555   |                |             |
| D.O.         | 0.97  | 0.482 mg/L TDS |             |
| Temperature  | 32.61 |                |             |
| ORP          | 50    |                |             |

#### Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

#### Analyses to be Performed:

|                   |   |                     |                            |  |                                   |          |
|-------------------|---|---------------------|----------------------------|--|-----------------------------------|----------|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |  | Sulfate 375.2                     |          |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |  | RSK-175 (methane, ethane, ethene) |          |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 |  | Other (Chlorides)                 | X census |

#### Sampling Notes:

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                  |
|-----------------|---------|-------------------|------------------|
| Date            | 7/24/13 | Site Location     | FOAM             |
| Samplers        | JW 67   | Well ID           | R1-IW2 17' & 60' |
| Casing Material | PVC     | Constructed Depth |                  |
| Casing Diameter | 4"      | Condition of Well |                  |

## Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1217 | Depth Measured From: |                           |
| Depth to Water | 9.28 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

## Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1217 | Purge End Time | 1252 |                 |             |
| Approximate Gallons Purged |      | 5.0            |      |                 |             |

## Water Monitoring Conditions:

|                |  |  |  |               |  |  |  |
|----------------|--|--|--|---------------|--|--|--|
| Time           |  |  |  | 1230          |  |  |  |
| pH             |  |  |  | 6.05          |  |  |  |
| Conductivity   |  |  |  | 1.35 mS/cm    |  |  |  |
| Turbidity      |  |  |  | 349           |  |  |  |
| D.O.           |  |  |  | 0.52 mg/L     |  |  |  |
| Temperature    |  |  |  | 31.68         |  |  |  |
| ORP            |  |  |  | -29           |  |  |  |
| Purge Rate     |  |  |  | 0.863 g/L TDS |  |  |  |
| Gallons Purged |  |  |  |               |  |  |  |

## Sampling Data: 60' @

|              |            |               |                  |                                  |
|--------------|------------|---------------|------------------|----------------------------------|
| Time         | 1250       | Sample ID     | R1-IW2-17-072413 | VOC, TOC, Census                 |
| pH           | 5.92       | Duplicates    |                  | @ 1230                           |
| Conductivity | 1.31 mS/cm | QA/QC Volumes |                  |                                  |
| Turbidity    | 377        |               |                  |                                  |
| D.O.         | 0.38 mg/L  |               |                  |                                  |
| Temperature  | 25.03      | 0.842 g/L TDS |                  | R1-IW2-60-072413 VOC, TOC @ 1250 |
| ORP          | -36        |               |                  |                                  |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                     |                            |   |                                   |          |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|----------|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |          |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) |          |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 | X census |

## Sampling Notes:

VOCs by TDB  
TOC & census by purge  
Slight effervescence @ 60'

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

# Well Sampling Data Sheet

|                 |         |                   |                   |
|-----------------|---------|-------------------|-------------------|
| Date            | 7/24/13 | Site Location     | FOX AM            |
| Samplers        | JW 114  | Well ID           | R1-IW15-12' + 55' |
| Casing Material | PVC     | Constructed Depth |                   |
| Casing Diameter | 4"      | Condition of Well |                   |

## Field Measurements:

|                |      |                      |                           |
|----------------|------|----------------------|---------------------------|
| Time           | 1256 | Depth Measured From: |                           |
| Depth to Water | 9.24 |                      | Top of access port        |
|                |      | X                    | Mark on PVC casing        |
|                |      |                      | Mark of protective casing |
|                |      |                      | Other                     |

## Purging Information:

|                            |      |                |      |                 |             |
|----------------------------|------|----------------|------|-----------------|-------------|
| Pump:                      |      | Dedicated      | X    | Non-dedicated   | peristaltic |
| Bailer:                    |      | PVC            |      | Stainless Steel | Other:      |
| Purge Start Time           | 1256 | Purge End Time | 1335 |                 |             |
| Approximate Gallons Purged |      |                | 5.0  |                 |             |

## Water Monitoring Conditions:

|                |  |  |  |               |  |  |  |
|----------------|--|--|--|---------------|--|--|--|
| Time           |  |  |  | 1310          |  |  |  |
| pH             |  |  |  | 4.89          |  |  |  |
| Conductivity   |  |  |  | 0.797 mS/cm   |  |  |  |
| Turbidity      |  |  |  | 190           |  |  |  |
| D.O.           |  |  |  | 0.37 mg/L     |  |  |  |
| Temperature    |  |  |  | 21.80         |  |  |  |
| ORP            |  |  |  | 29            |  |  |  |
| Purge Rate     |  |  |  | 0.510 g/L TDS |  |  |  |
| Gallons Purged |  |  |  |               |  |  |  |

## Sampling Data: @ 55' TOC Purge

|              |             |               |                   |         |
|--------------|-------------|---------------|-------------------|---------|
| Time         | 1330        | Sample ID     | R1-IW15-12-072413 | VOC TOC |
| pH           | 4.46        | Duplicates    |                   | @ 1310  |
| Conductivity | 0.938 mS/cm | QA/QC Volumes |                   |         |
| Turbidity    | 551         |               |                   |         |
| D.O.         | 0.31 mg/L   |               |                   |         |
| Temperature  | 25.98       |               |                   |         |
| ORP          | 44          |               |                   |         |

## Sampling Device:

|            |  |           |  |                |  |               |  |
|------------|--|-----------|--|----------------|--|---------------|--|
| PVC Bailer |  | SS Bailer |  | Dedicated Pump |  | Teflon Bailer |  |
|------------|--|-----------|--|----------------|--|---------------|--|

## Analyses to be Performed:

|                   |   |                     |                            |   |                                   |  |
|-------------------|---|---------------------|----------------------------|---|-----------------------------------|--|
| Volatile Organics | X | VOCs 8260B          | SVOCs by 8270C             |   | Sulfate 375.2                     |  |
| Total Metals      |   | RCRA 8 or           | SVOCs by 8270C/SIM         |   | RSK-175 (methane, ethane, ethene) |  |
| Dissolved Metals  |   | Priority Pollutants | Total Organic Carbon 415.1 | X | Other (Chlorides)                 |  |

## Sampling Notes:

VOC by PDB  
Tel by Purge  
Very strong reducing odor  
effervescing in 55'

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume