



## 697-09-61 (Conn Camp) 2013 Monitoring Summary





12/31/2013

1.0 Location:

OXY USA WTP LP (Operator #66571)  
760 Horizon Dr., Ste. 101  
Grand Junction, CO 81506

697-09-61 (Location ID 335889)  
T6S, R97W, Sec9, SWSE  
Garfield County, Colorado

2.0 Overview:

This report summarizes the 2013 quarterly monitoring events for the release in June 2008 at OXY USA WTP LP's (OXY) Cascade Creek 697-09-61 well pad; refer to Colorado Oil and Gas Conservation Commission (COGCC) Document #200191192 and Remediation project #4620. The well pad is situated east of an unnamed tributary of Cascade Canyon, and the release extended to the drainage near a rancher's cabin (Conn Camp) located along the west unnamed creek. The well pad, Conn Camp, and the area upon which the release occurred and surfaced are located on property owned by OXY.

Sampling point #7 exceeded the maximum contaminant level (MCL) for benzene (5.0 µg/L) in the first quarter of 2013 (5.2 µg/L). No other exceedances for benzene, toluene, ethylbenzene, xylene (BTEX), or gasoline range organic compounds (GRO) were identified during 2013 sampling events at these locations.

Field parameter results for total dissolved solids (TDS) at sample location points 7, 10, and 32 exceeded the Table 910-1 acceptable limits (1.25 X background). Regional surface water naturally contains background concentrations of dissolved solids.

3.0 Water Monitoring and Results:

Water sampling events were conducted during 2013 on the following dates at sample locations 2, 7, 10 and 32:

- March 26, 2013
- April 3, 2013 (Sample location #7 only)
- May 8, 2013
- August 21, 2013
- October 15, 2013

Sampling was conducted at the four approved sampling locations; North Trench (sampling point #2), S1 Trench (sampling point #7), and the downstream Point-of-Compliance (aka "POC", sampling point #10), and Latham Spring Pond (sampling point #32).

The #32 Latham Spring pond sampling point was dry during all events except the fourth quarter. Locations sampled during 2013 are identified in the attached graphs and laboratory analytical reports with their corresponding map identifiers on the attached figures.

An exceedance of benzene at S1 Trench was observed on March 26, 2013. Resampling of the location was performed on April 3, 2013 and no detection was observed. No other exceedances of BTEX were identified during the 2013 sampling events. TDS exceeded the acceptable limit (1.25 x background = 487 parts per million) at sample locations 2, 7, and 10 during the 2013 sampling events. A summary of analytical results for the last four quarters of the listed sampling points are shown in Table 1.

Table 1. Summary of 697-09-61 Monitoring Results from 4<sup>th</sup> Quarter 2012 through 4<sup>th</sup> Quarter 2013

Location # / Date	Benzene (MCL= 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL µg/L)	TDS (MCL = 487 ppm)**
<b>N. Trench (#2)</b>						
11/1/2012 Q4	<0.33	<0.78	0.7	5.9	77	356
3/26/2013 Q1	<1.0	<5.0	<1.0	<3.0	<100	386
5/8/2013 Q2	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
8/21/2013 Q3	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
8/21/2013 D	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
8/21/2013 S	<1.0	<1.0	<1.0	<3.0	<50	<b>500</b>
10/15/2013 Q4	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
10/15/2013 Q4 D	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
10/15/2013 Q4 S	<1.0	<5.0	<1.0	<3.0	<50	<b>500</b>
<b>S1 Trench (#7)</b>						
11/1/2012 Q4	<b>7.8</b>	<0.78	<0.38	<1.1	45	460
11/21/2012 RE	0.79	<0.78	<0.38	<1.1	<31	NA
3/26/2013 Q1	<b>5.2</b>	<5.0	<1.0	<3.0	<100	<b>521</b>
4/03/2013 RE	<1.0	<5.0	<1.0	<3.0	NA	NA
4/03/2013 RE D	<1.0	<5.0	<1.0	<3.0	NA	NA
5/8/2013 Q2	<1.0	<5.0	<1.0	<3.0	<100	<b>700</b>
8/21/2013 Q3	<1.0	<5.0	<1.0	<3.0	<100	<b>700</b>
8/21/2013 D	<1.0	<5.0	<1.0	<3.0	<100	<b>600</b>
8/21/2013 S	<1.0	<1.0	<1.0	<3.0	<50	<b>600</b>
10/15/2013 Q4	<1.0	<5.0	<1.0	<3.0	<100	<b>700</b>
10/15/2013 Q4 D	<1.0	<5.0	<1.0	<3.0	<100	<b>700</b>
10/15/2013 Q4 S	<1.0	<5.0	<1.0	<3.0	<50	<b>700</b>
<b>POC (#10)</b>						
11/1/2012 Q4	<0.33	<0.78	<0.38	<1.1	<31	316
3/26/2013 Q1	<1.0	<5.0	<1.0	<3.0	<100	308
5/8/2013 Q2	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
8/21/2013 Q3	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
8/21/2013 D	<1.0	<5.0	<1.0	<3.0	<100	<b>500</b>
8/21/2013 S	<1.0	<5.0	<1.0	<3.0	<50	<b>500</b>
10/15/2013 Q4	<1.0	<5.0	<1.0	<3.0	<100	<b>600</b>
10/15/2013 Q4 D	<1.0	<5.0	<1.0	<3.0	<100	<b>600</b>
10/15/2013 Q4 S	<1.0	<5.0	<1.0	<3.0	<50	<b>600</b>
<b>Latham Spring Pond (#32)</b>						
11/1/2012 Q4	Water Unavailable for Sample Collection					
3/26/2013 Q1	Water Unavailable for Sample Collection					
5/8/2013 Q2	Water Unavailable for Sample Collection					
8/21/2013 Q3	Water Unavailable for Sample Collection					
10/15/2013 Q4	<1.0	<5.0	<1.0	<3.0	<100	400
10/15/2013 Q4 D	<1.0	<5.0	<1.0	<3.0	<100	400
10/15/2013 Q4 S	<1.0	<5.0	<1.0	<3.0	<50	400

Notes: µg/L – micrograms per liter  
 GRO – gasoline range organics  
 TDS – total dissolved solids  
 MCL – Maximum contaminant level  
 ppm – parts per million  
 \* – the highest number within the range is the MCL  
 \*\* – 1.25 x 390 ppm detected at location #12 on February 12, 2009  
 Q1/Q2/Q3/Q4 – indicates quarterly sampling interval  
 RE – indicates resample following an MCL exceedance  
 D – indicates duplicate sample analyzed by ESC laboratory  
 S – indicates duplicate sample analyzed by separate laboratory  
 NA – not analyzed.



A summary of all laboratory data and parameter measurements collected since the release is presented in the attached Comprehensive Laboratory Data Summary Tables. Graphical summaries of BTEX concentrations for sampling locations #2, #7, #10, and #32 are summarized and attached to this report.

#### 4.0 Quality Control:

A formal sampling and analyses plan has not been prepared. OXY has collected duplicate samples, split samples, and a trip blank for quality control (QC) purposes since the third quarter of 2013 to determine the adequacy of field and laboratory methods. Duplicate and split samples were collected at sampling points #2, #7, #10 and #32.

QC sample analyses have identified no detectable petroleum hydrocarbons of interest.

#### 5.0 Conclusions:

2013 sample collection identified one exceedance of benzene at the S1 Trench (#7) during the first quarter of 2013. Follow-up sampling at the S1 Trench seven days later identified no detectable benzene. No other exceedances of BTEX constituents were identified during the 2013 sampling events. The COGCC has not established an MCL for GRO; however, the GRO results are used as a comparative indicator for the presence of low-fraction petroleum hydrocarbons and of remediation progress. GRO was detected in the north trench and S1 Trench during the first quarter sampling event of 2013. All other sampling events were below analytical detection limits.

Separate graphs of analytical results from the past year (five sampling events) are attached to this report. Analytical detection limits denoted with a less-than sign (<) in Table 1 are below allowable MCLs and appear to show an upward trend. Decreased laboratory sensitivity in analytical methods has been noted to contribute to the upward graphical trend but is unlikely to be indicative of an increased trend of BTEX constituents at the sample locations during this reporting period.

#### 5.0 Attachments

Sampling Locations Summary Maps – By Quarter

Conn Camp Sampling Locations Summary Map – All Locations

BTEX Analyte Graphs: by location June 2008 to October 2013

BTEX Graphs, 4<sup>th</sup> Quarter 2012 to 4<sup>th</sup> Quarter 2013

Comprehensive Laboratory Data Summary by Location – June 2008 to October 2013

Comprehensive Field Parameter Summary by Location – June 2008 to October 2013

# Sampling Locations Summary OXY Conn Camp - Benzene Results

0 125 250 500 Feet  
Garfield County, Colorado

**Latham Pond**

**North Trench**

**S1 Trench**

697-09-61

**POC**

## Legend Sample Locations 1st Quarter Results

- Above MCL
- Below MCL
- No Detection
- Not Sampled

□ Oxy Owned Wellpad  
~ Oxy Owned Roads

# Sampling Locations Summary OXY Conn Camp - Benzene Results

0 125 250 500 Feet

Garfield County, Colorado

**Latham Pond**

**North Trench**

697-09-61

**S1 Trench**

**POC**

## Legend Sample Locations 2nd Quarter Results

- Above MCL
- Below MCL
- No Detection
- Not Sampled

□ Oxy Owned Wellpad

~ Oxy Owned Roads

# Sampling Locations Summary OXY Conn Camp - Benzene Results

0 125 250 500 Feet

Garfield County, Colorado

**Latham Pond**

**North Trench**

697-09-61

**S1 Trench**

**POC**

## Legend Sample Locations 3rd Quarter Results

- Above MCL
- Below MCL
- No Detection
- Not Sampled

□ Oxy Owned Wellpad

~ Oxy Owned Roads

# Sampling Locations Summary OXY Conn Camp - Benzene Results

0 125 250 500 Feet

Garfield County, Colorado

**Latham Pond**

**North Trench**

697-09-61

**S1 Trench**

**POC**

## Legend Sample Locations 4th Quarter Results

- Above MCL
- Below MCL
- No Detection
- Not Sampled

□ Oxy Owned Wellpad

~ Oxy Owned Roads

# Sampling Locations Summary OXY Conn Camp

0 225 450 900 Feet

Garfield County, Colorado

Upstream - Conn Camp

Latham Upstream

Core Spring B

Core Spring C

Core Spring A

Core Spring Confluence

Latham Pond

North Trench

Latham Trough

S1 Trench

S2 Trench

Creek

Upstream - South Y

Latham - Dam 2

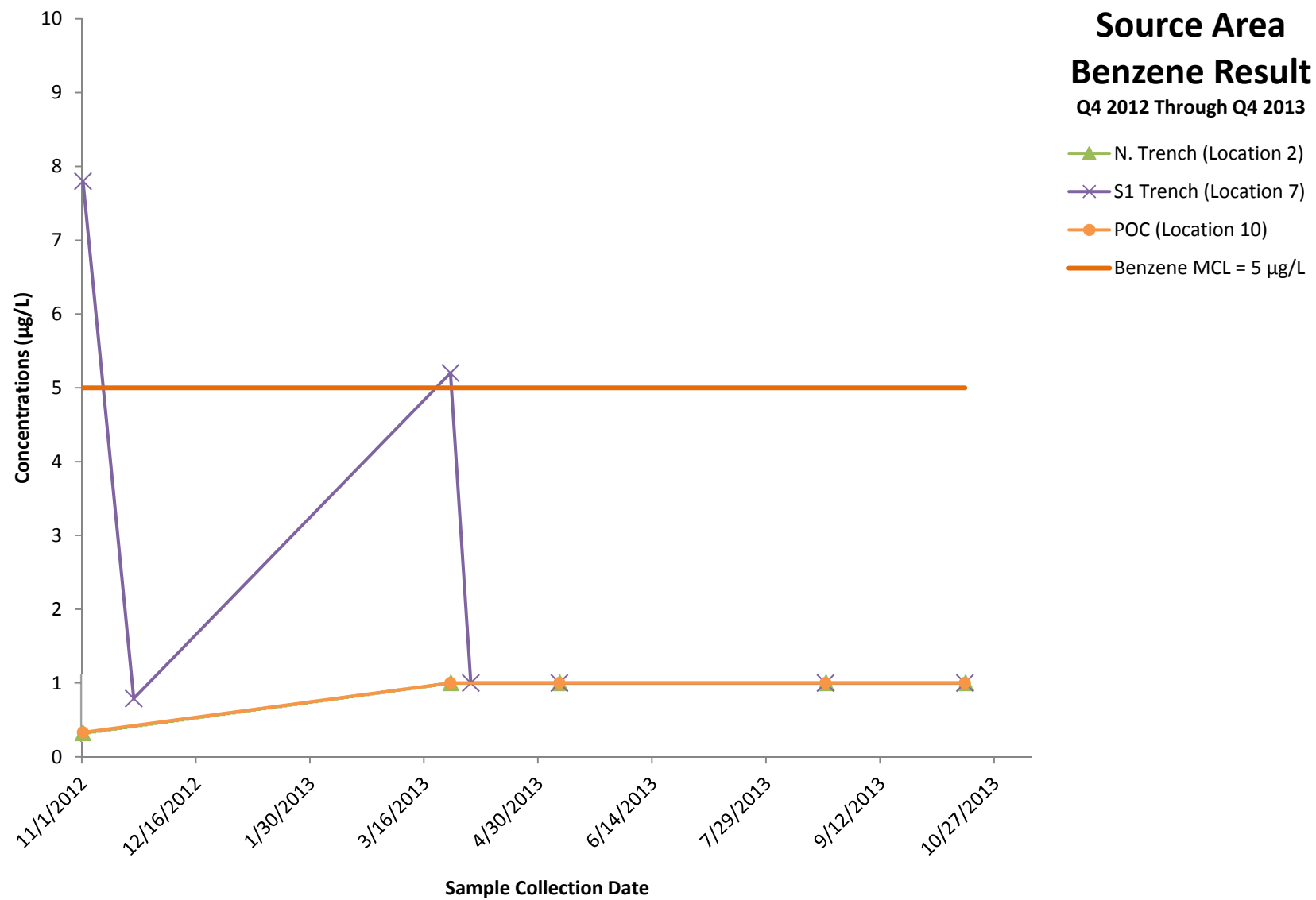
POC

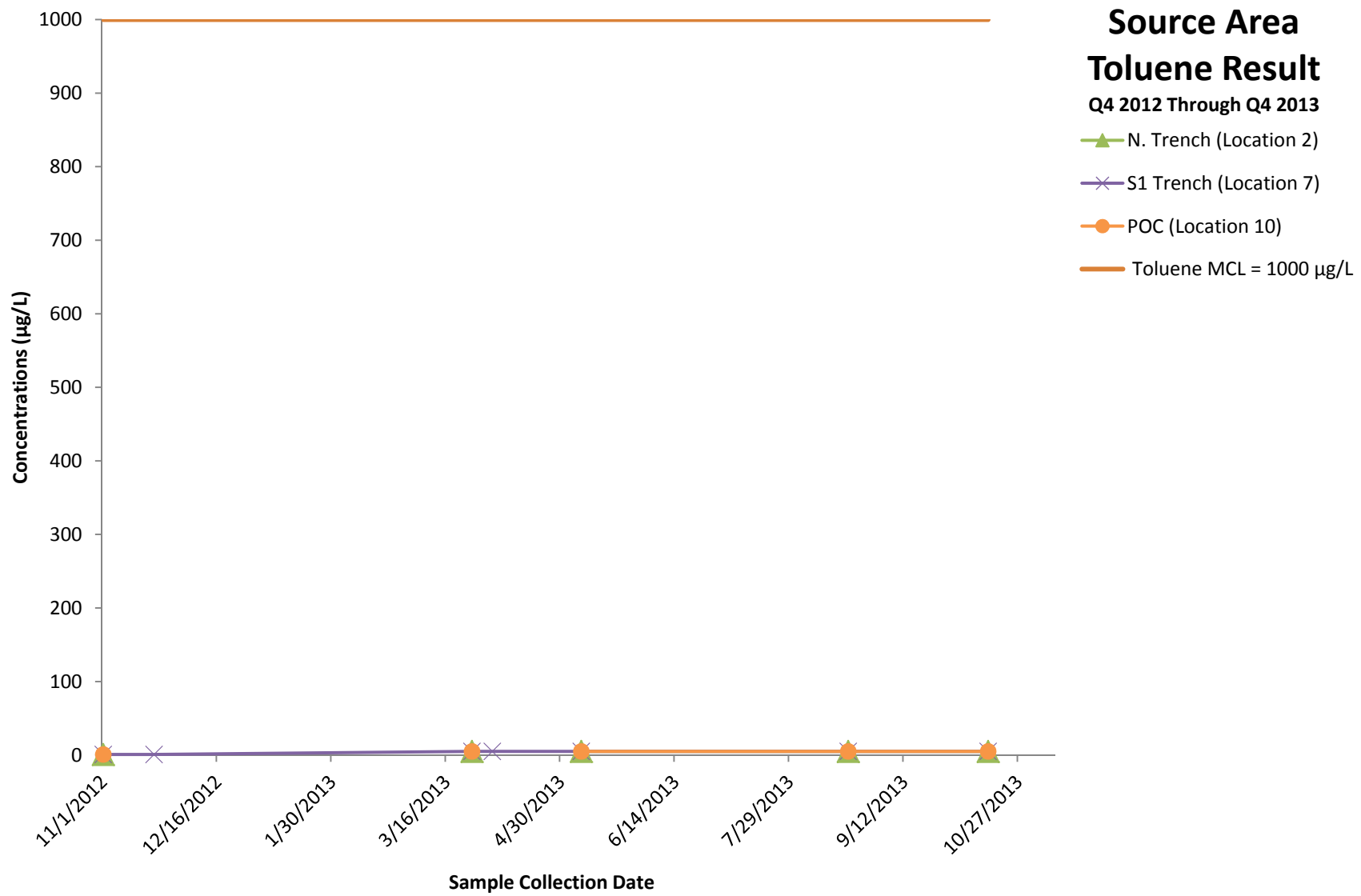
## Legend

● Sampling Location

~ OXY Owned Road

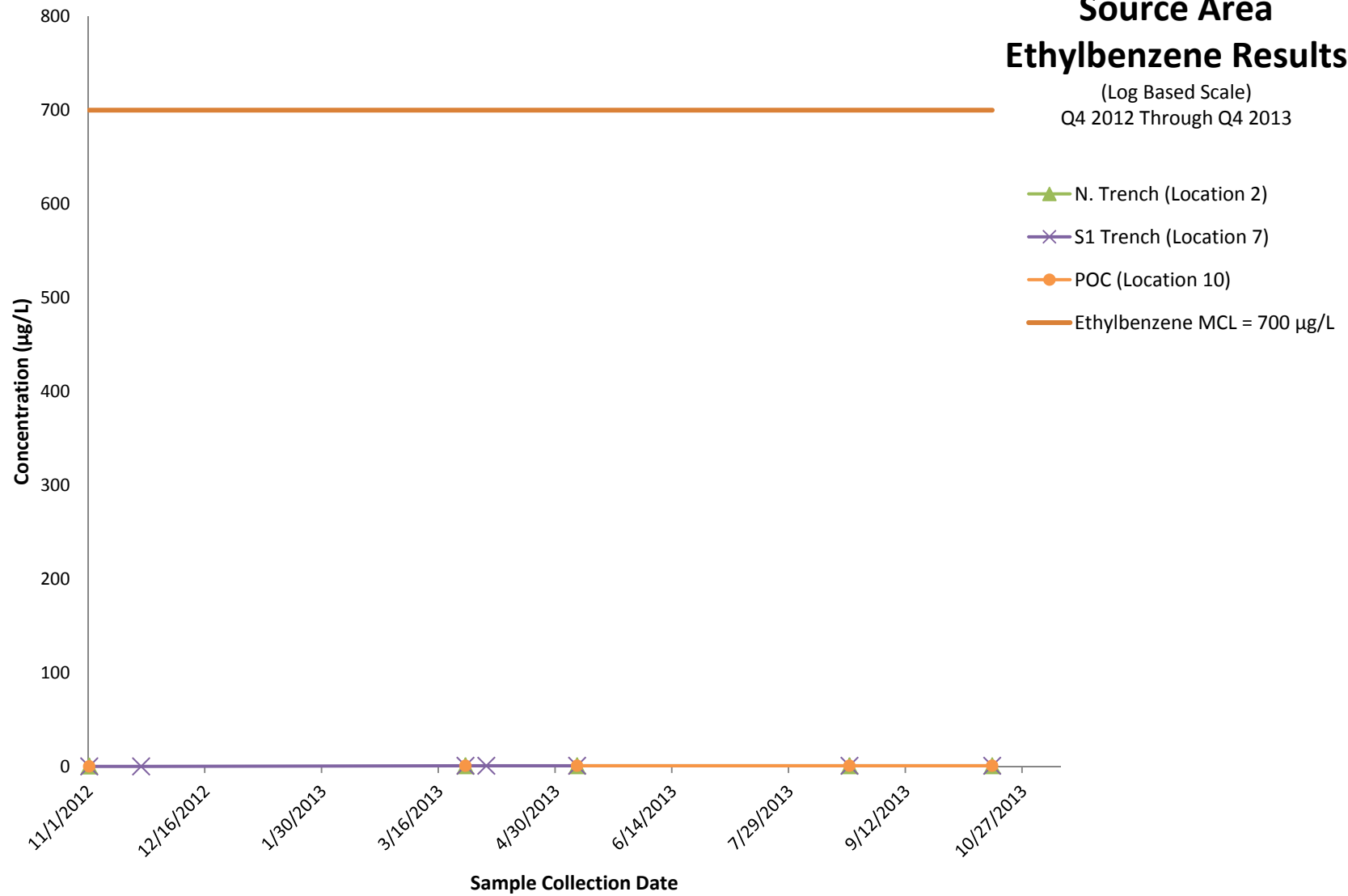
□ OXY Well pad





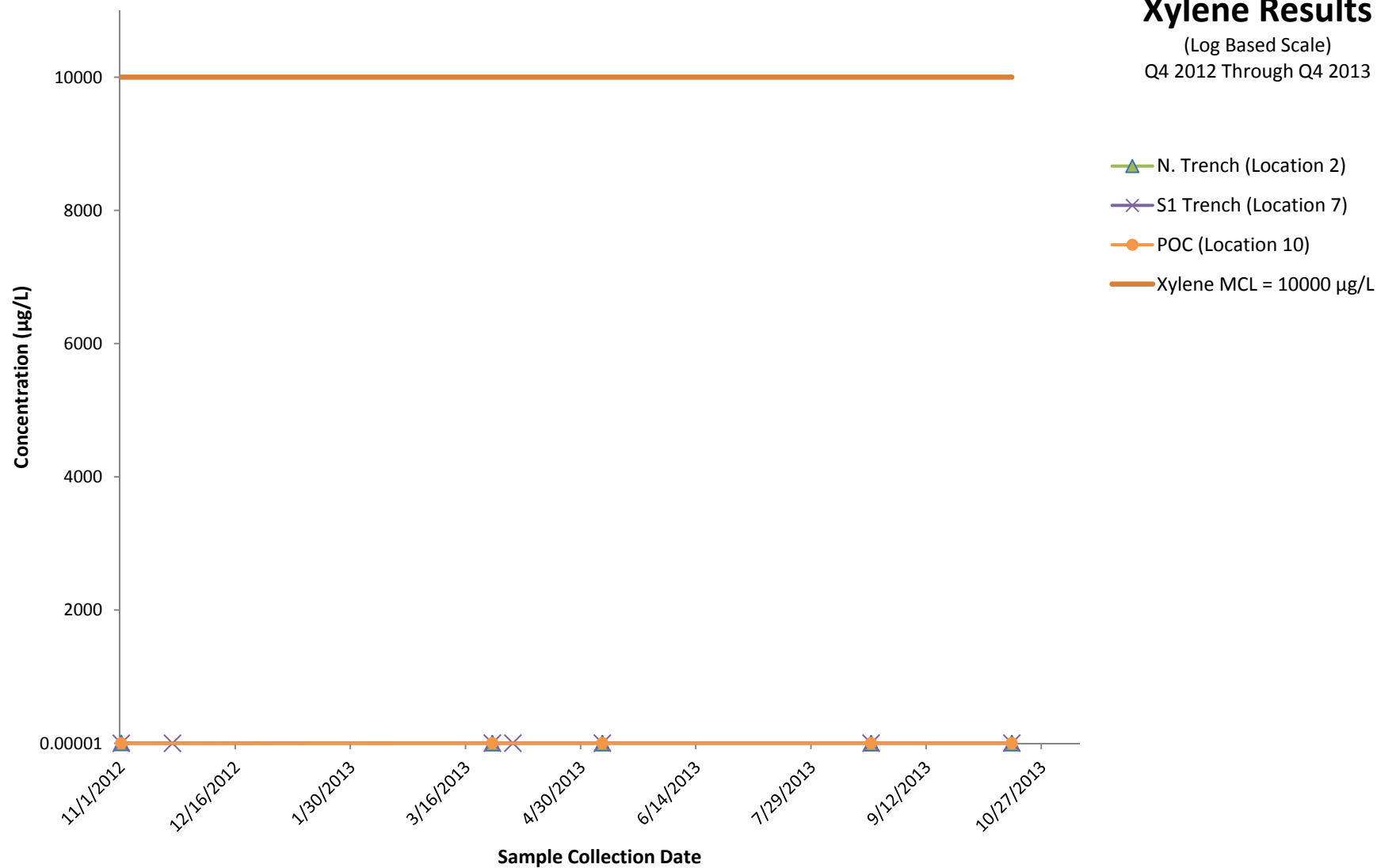
## Source Area Ethylbenzene Results

(Log Based Scale)  
Q4 2012 Through Q4 2013



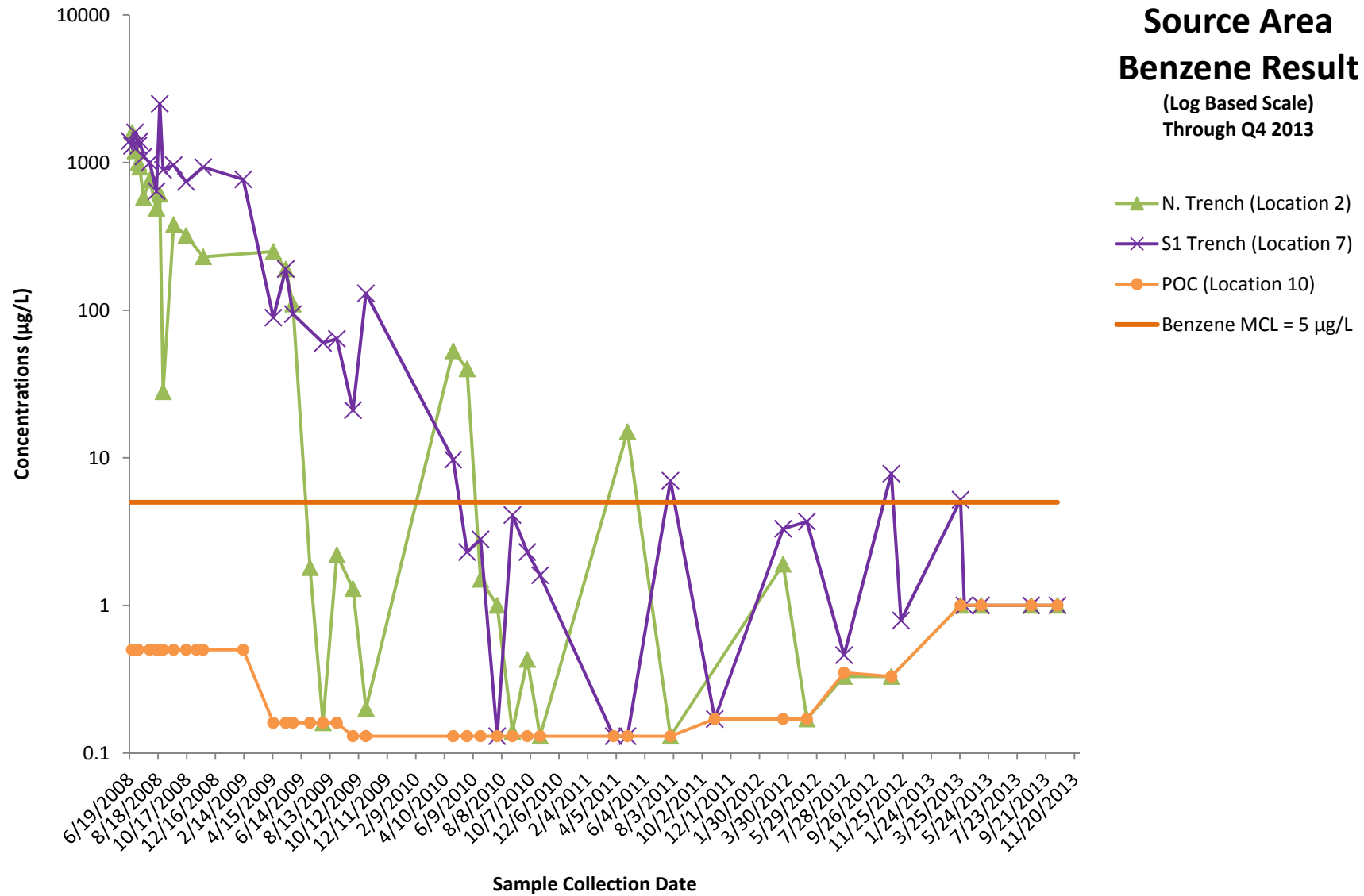
## Source Area Xylene Results

(Log Based Scale)  
Q4 2012 Through Q4 2013



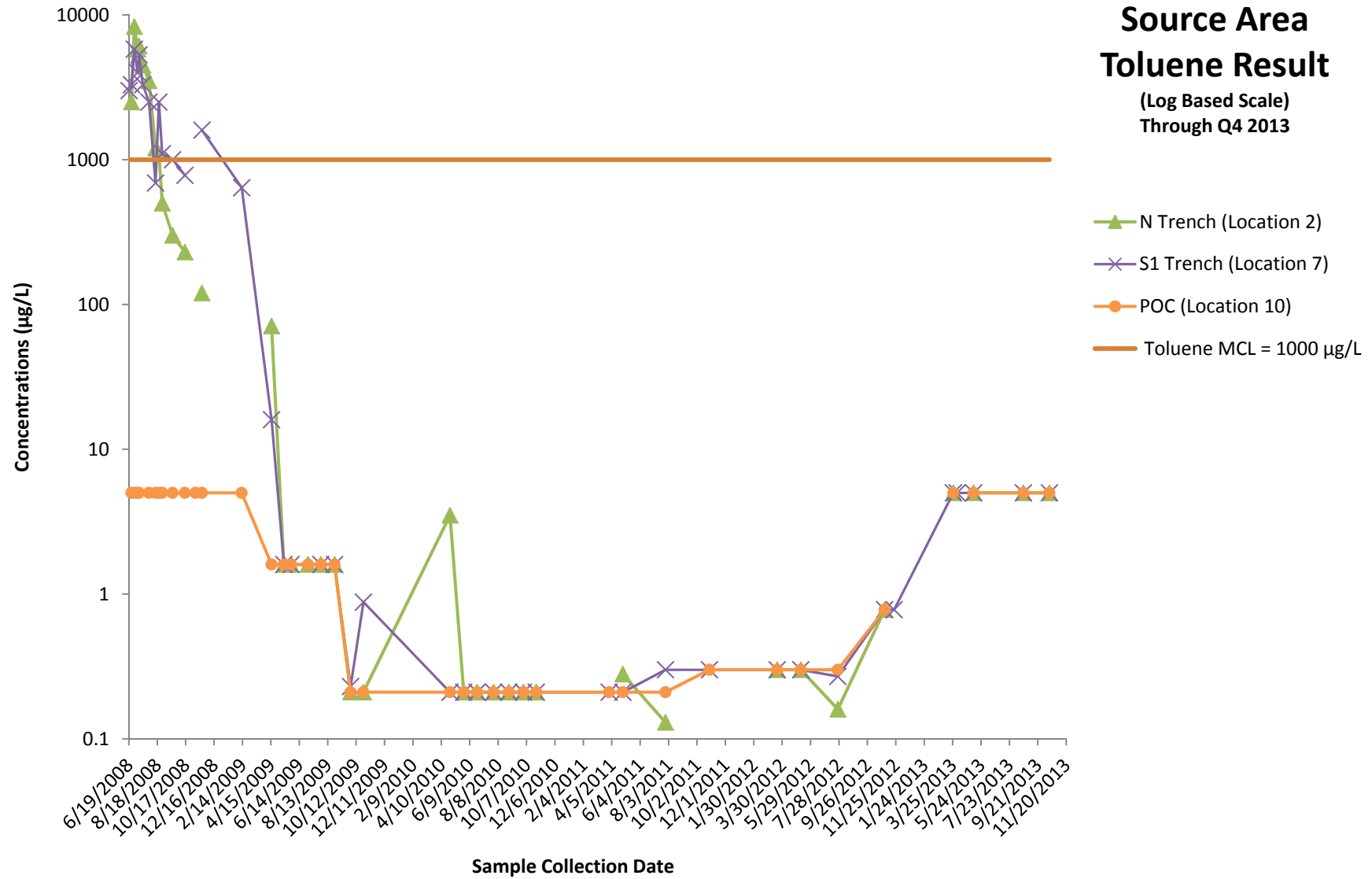
## Source Area Benzene Result

(Log Based Scale)  
Through Q4 2013



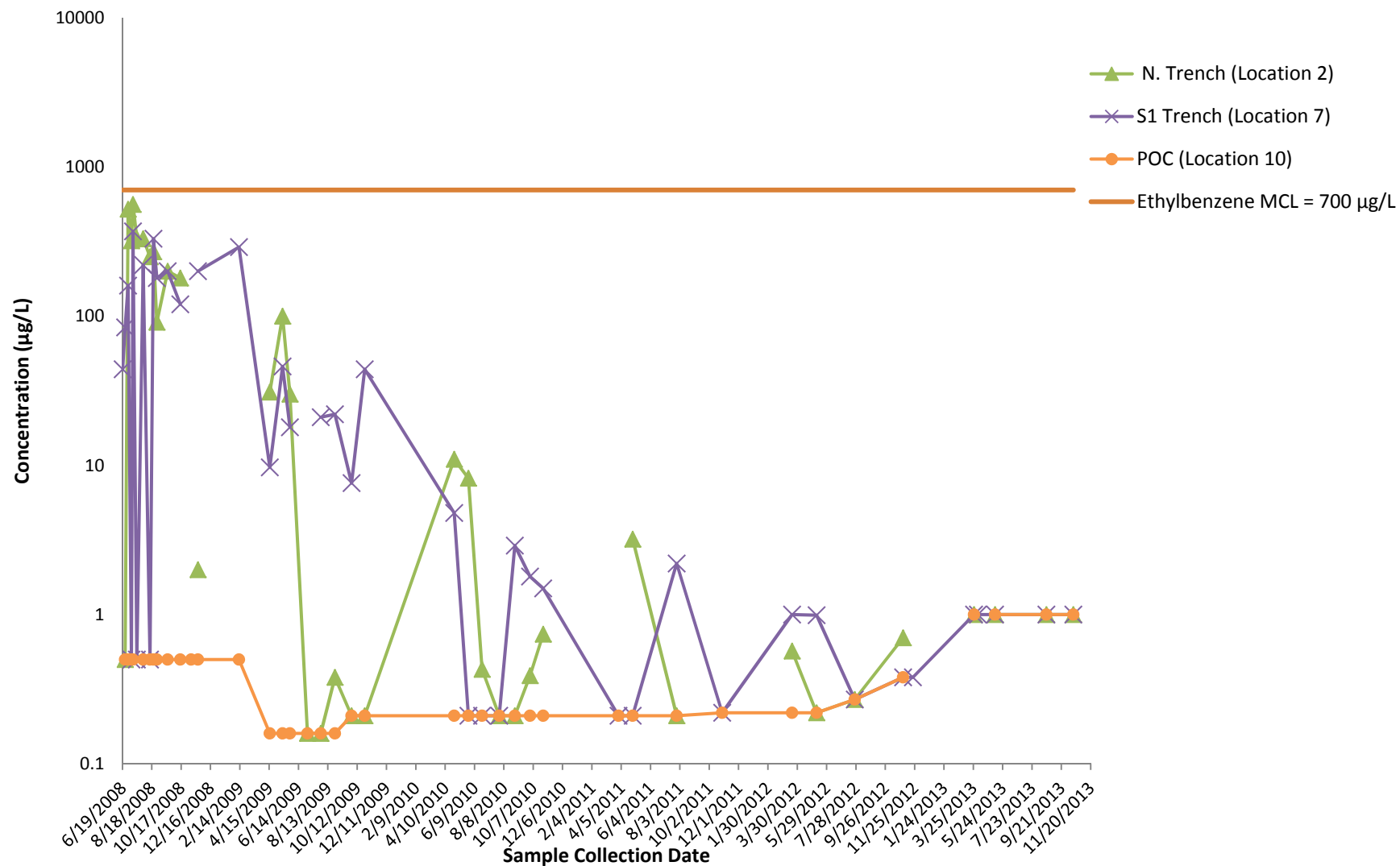
## Source Area Toluene Result

(Log Based Scale)  
Through Q4 2013



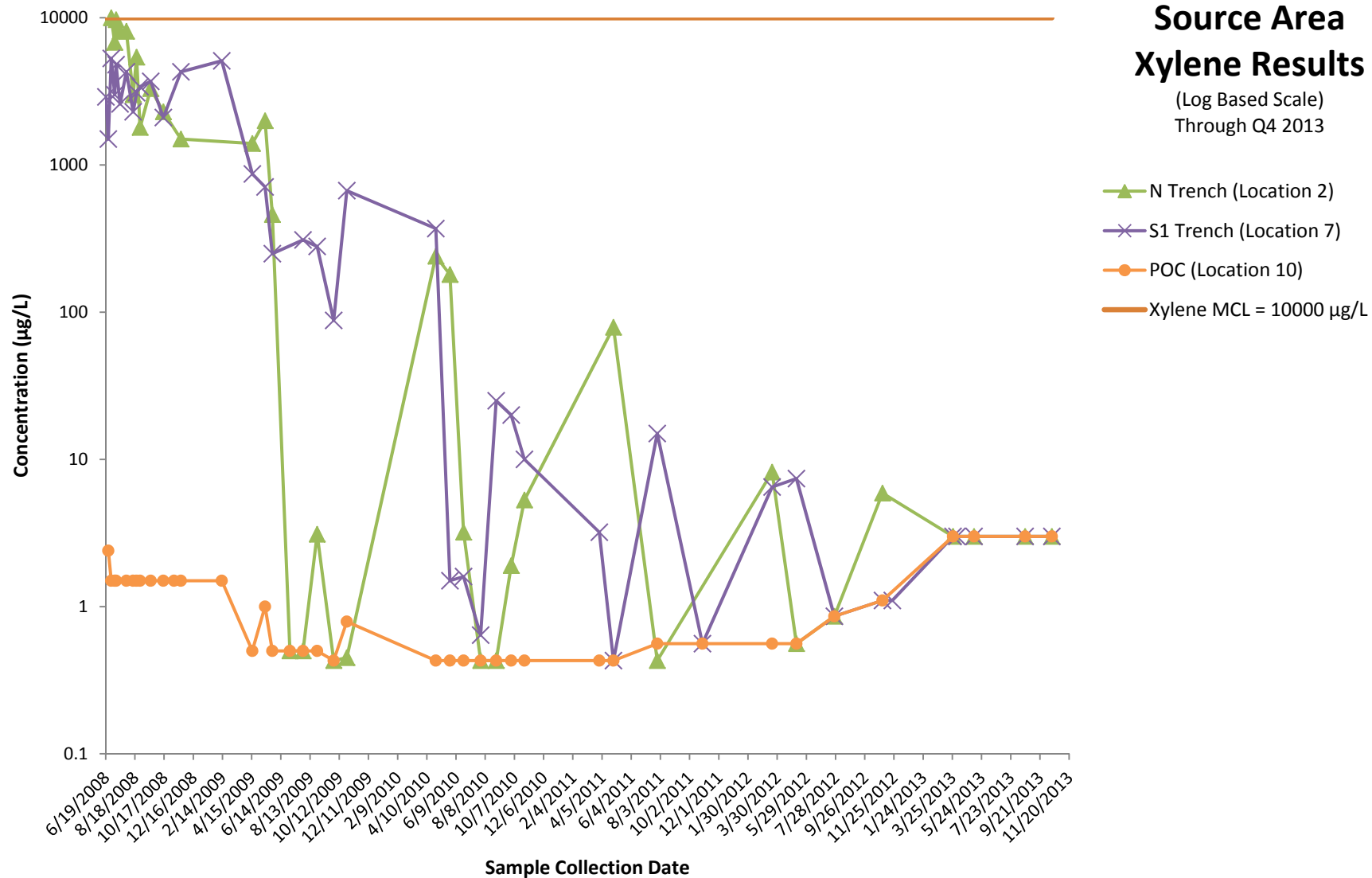
## Source Area Ethylbenzene Results

(Log Based Scale)  
Through Q4 2013



## Source Area Xylene Results

(Log Based Scale)  
Through Q4 2013



# Comprehensive Laboratory Data Summary by Location (June 2008 - December 2013)

Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
Latham - Upstream (#1)						
6/16/2008	0.5	5.0	0.5	1.5	100	NA
6/24/2008	6.0	5.0	1.9	16	500	340
6/30/2008	2.4	5.0	1.8	9.8	590	350
7/2/2008	0.5	5.0	0.5	1.5	100	NA
7/7/2008	2.9	5.0	2.1	15	940	NA
7/10/2008	2.8	5.0	2.7	9.2	590	NA
7/18/2008	0.5	5.0	0.5	1.5	100	360
7/31/2008	5.7	5.1	0.8	160	670	NA
8/14/2008	36	<5.0	7.7	430	2800	NA
4/30/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/12/2009	0.18	<1.6	0.22	1.0	76	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
5/27/2010	<0.13	<0.21	<0.21	<0.43	<40	380
6/24/2010	Water Unavailable for Sample Collection					
7/29/2010	Water Unavailable for Sample Collection					
9/30/2010	Water Unavailable for Sample Collection					
4/28/2011	Water Unavailable for Sample Collection					
7/27/2011	Water Unavailable for Sample Collection					
Upstream - Conn Camp (#1u)						
4/30/2009	<0.16	<1.6	<0.16	0.5	<33	NA
5/12/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
9/30/2009	<0.13	<0.21	<0.21	<0.43	<33	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
6/24/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
7/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
8/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
9/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
4/28/2011	Water Unavailable for Sample Collection					
7/27/2011	Water Unavailable for Sample Collection					
N. Trench (#2)						
6/24/2008	1600	2500	<0.5	11000	<100	470
6/30/2008	1200	8300	520	10000	46000	470
7/7/2008	1000	5800	320	6800	<50000	NA
7/10/2008	930	6100	560	9700	<50000	NA
7/18/2008	580	4500	330	8100	NA	410
7/31/2008	760	3500	330	8100	24000	NA
8/14/2008	490	1200	250	3000	22000	NA
8/21/2008	610	1100	270	5400	15000	NA
8/28/2008	28	<500	91	1800	<10000	NA
9/19/2008	380	300	200	3300	9500	NA
10/15/2008	320	230	180	2300	6900	NA
11/20/2008	230	120	2.0	1500	4500	NA
4/16/2009	250	71	31	1400	5300	NA
5/12/2009	190	<1.6	100	2000	8200	NA
5/27/2009	110	<1.6	30	460	3000	NA
7/2/2009	1.8	<1.6	<0.16	<0.5	41	470
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	2.2	<1.6	0.38	3.1	44	NA
9/30/2009	1.3	<0.21	<0.21	<0.43	<33	NA
10/27/2009	0.2	<0.21	<0.21	0.45	43	NA
11/24/2009	Water Unavailable for Sample Collection					
12/29/2009	Water Unavailable for Sample Collection					

# Comprehensive Laboratory Data Summary by Location (June 2008 - December 2013)

Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
1/27/2010	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	53	3.5	11	240	1600	NA
5/27/2010	40	<0.21	8.2	180	1400	460
6/24/2010	1.5	<0.21	0.43	3.2	<40	NA
7/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
8/30/2010	0.14	<0.21	<0.21	<0.43	<40	NA
9/30/2010	0.43	<0.21	0.39	1.9	<40	NA
10/27/2010	<0.13	<0.21	0.74	5.3	<40	NA
11/29/2010	Water Unavailable for Sample Collection					
4/28/2011	15	0.28	3.2	79	1100	NA
7/27/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
10/28/2011	Water Unavailable for Sample Collection					
3/19/2012	1.9	<0.30	0.57	8.2	210	NA
5/8/2012	<0.17	<0.30	<0.22	<0.56	<40	NA
7/25/2012	0.33	<0.16	<0.27	<0.86	<40	NA
11/1/2012	<0.33	<0.78	0.7	5.9	77	NA
3/26/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
5/8/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013 D	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013 S	<1.0	<1.0	<1.0	<3.0	<50	NA
10/15/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 D	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 S	<1.0	<5.0	<1.0	<3.0	<50	NA
<b>Source 2 - Upstream (#3)</b>						
6/19/2008	1100	9600	180	9500	NA	562
6/30/2008	960	12000	850	19000	150000	540
7/7/2008	27	120	5.0	1700	6000	NA
<b>Latham - Trough (#4)</b>						
6/30/2008	<0.5	<5.0	<0.5	<1.5	<100	360
7/2/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
7/7/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
7/31/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/7/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/14/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/21/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/28/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
9/4/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
9/19/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
10/15/2008	<0.5	<5.0	<0.5	1.7	<100	NA
11/20/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
7/2/2009	<0.16	<1.6	<0.16	<0.5	<33	370
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	Water Unavailable for Sample Collection					
9/30/2009	<0.13	<0.21	<0.21	<0.43	<33	NA
10/27/2009	0.13	<0.21	<0.21	0.94	<40	NA

# Comprehensive Laboratory Data Summary by Location (June 2008 - December 2013)

Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
11/24/2009	<0.13	<0.21	<0.21	0.61	<40	NA
12/29/2009	0.4	0.43	0.4	0.7	<40	NA
1/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
2/22/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
3/25/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
5/27/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
6/24/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
7/29/2010	Water Unavailable for Sample Collection					
8/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
9/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
10/27/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
11/29/2010	<0.13	<0.21	<0.21	0.83	<40	NA
3/30/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
7/27/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
10/28/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
11/16/2012	<0.17	<0.30	<0.22	<0.56	<40	NA
<b>Latham Pump - Inside (#5)</b>						
6/17/2008	<0.5	0.59	<0.5	0.56	<100	NA
4/16/2009	<0.16	<1.6	<0.16	0.51	<33	NA
<b>Latham Dam 1 (#6)</b>						
6/17/2008	<b>87</b>	830	24	1300	6200	NA
6/24/2008	<b>110</b>	490	32	1000	4000	370
6/30/2008	1.9	<5.0	<0.5	67	1100	390
7/7/2008	<0.5	<5.0	<0.5	70	740	NA
7/10/2008	<b>15</b>	66	<0.5	500	1300	NA
7/18/2008	<b>11</b>	8.9	<0.5	230	1100	NA
7/31/2008	<0.5	8.6	<0.5	97	380	NA
8/14/2008	<0.5	<5.0	<0.5	1.9	<100	NA
8/21/2008	0.73	<5.0	<0.5	4.3	<100	NA
8/28/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
<b>S1 Trench (#7)</b>						
6/19/2008	<b>1400</b>	<b>3000</b>	44	2900	NA	<b>1062</b>
6/24/2008	<b>1300</b>	<b>3300</b>	84	1500	11000	<b>800</b>
6/30/2008	<b>1600</b>	<b>5800</b>	160	5300	27000	<b>790</b>
7/7/2008	<b>1300</b>	<b>4000</b>	<0.5	3000	<50000	NA
7/10/2008	<b>1400</b>	<b>5300</b>	370	4800	<100	NA
7/18/2008	<b>1100</b>	<b>3300</b>	<0.5	2600	NA	<b>620</b>
7/31/2008	<b>1000</b>	<b>2500</b>	220	4300	15000	NA
8/14/2008	<b>640</b>	690	<0.5	2300	12000	NA
8/21/2008	<b>2500</b>	<b>&lt;2500</b>	330	3100	<50000	NA
8/28/2008	<b>890</b>	<b>1100</b>	180	3400	12000	NA
9/19/2008	<b>960</b>	<b>1000</b>	200	3700	12000	NA
10/15/2008	<b>740</b>	780	120	2100	<10000	NA
11/20/2008	<b>930</b>	<b>1600</b>	200	4300	13000	NA
2/12/2009	<b>770</b>	640	290	5100	17000	NA
4/16/2009	<b>89</b>	<16.0	9.7	870	3000	NA
5/12/2009	<b>190</b>	<1.6	46	710	4100	NA
5/27/2009	<b>94</b>	<1.6	18	250	1300	NA
7/29/2009	<b>60</b>	<1.6	21	310	840	NA
8/27/2009	<b>64</b>	<1.6	22	280	1200	NA
9/30/2009	<b>21</b>	0.23	7.6	88	490	NA

# Comprehensive Laboratory Data Summary by Location (June 2008 - December 2013)

Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
10/27/2009	130	0.88	44	670	2800	NA
11/24/2009	Water Unavailable for Sample Collection					
12/29/2009	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	9.7	<0.21	4.8	370	250	562
5/27/2010	2.3	<0.21	<0.21	1.5	<40	520
6/24/2010	2.8	<0.21	<0.21	1.6	<40	NA
7/29/2010	<0.13	<0.21	<0.21	0.64	<40	NA
8/30/2010	4.1	<0.21	2.9	25	<40	NA
9/30/2010	2.3	<0.21	1.8	20	<40	NA
10/27/2010	1.6	<0.21	1.5	10	<40	NA
11/29/2010	Water Unavailable for Sample Collection					
3/30/2011	<0.13	<0.21	<0.21	3.2	44	NA
4/28/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
7/27/2011	7.0	<0.30	2.2	15	120	NA
10/28/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
3/19/2012	3.3	<0.30	1.0	6.5	<40	NA
5/8/2012	3.7	<0.30	0.99	7.4	<40	NA
7/25/2012	0.46	<0.16	<0.27	<0.86	<40	NA
11/1/2012	7.8	<0.78	<0.38	<1.1	45	NA
11/21/2012	0.79	<0.78	<0.38	<1.1	<31	NA
3/26/2013	5.2	<5.0	<1.0	<3.0	<100	NA
4/3/2013	<1.0	<5.0	<1.0	<3.0	NA	NA
4/3/2013 D	<1.0	<5.0	<1.0	<3.0	NA	NA
5/8/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013 D	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013 S	<1.0	<1.0	<1.0	<3.0	<50	NA
10/15/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 D	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 S	<1.0	<5.0	<1.0	<3.0	<50	NA
<b>Latham S Source (#8)</b>						
6/19/2008	730	1500	<0.5	3700	<100	NA
6/30/2008	1300	6000	140	6000	30000	640
7/7/2008	890	3500	<0.5	2700	<25000	NA
2/12/2009	270	28	57	790	3000	NA
<b>Latham - Dam 2 (#9)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
6/17/2008	<0.5	1.7	<0.5	7.1	<100	NA
6/24/2008	1.1	56	<0.5	16	130	1300
6/30/2008	<0.5	<5.0	<0.5	<1.5	<100	890
7/7/2008	0.6	<5.0	<0.5	2.8	<100	1000
7/10/2008	<0.5	<5.0	<0.5	1.8	<100	NA
7/18/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
7/31/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/7/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/14/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/21/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/28/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
9/4/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
9/11/2008	<0.5	<5.0	<0.5	<1.5	<100	NA

# Comprehensive Laboratory Data Summary by Location (June 2008 - December 2013)

Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
9/19/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
10/15/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
11/6/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
2/12/2009	<0.5	<5.0	<0.5	<1.5	<100	800
4/16/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
4/23/2009	<0.16	<1.6	0.16	1.6	90	NA
4/30/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/6/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/12/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/21/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/27/2009	<0.16	<1.6	<0.16	0.71	<33	NA
6/10/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
6/16/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
6/23/2009	<0.16	<1.6	<0.16	<0.5	<33	510
7/2/2009	<0.16	<1.6	<0.16	<0.5	<33	530
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	<0.16	16	<0.16	<0.5	<33	NA
9/30/2009	<0.13	<0.21	<0.21	<0.43	<33	NA
10/27/2009	<0.13	<0.21	<0.21	0.82	<40	NA
11/24/2009	Water Unavailable for Sample Collection					
12/29/2009	Water Unavailable for Sample Collection					
1/28/2010	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
5/27/2010	<0.13	<0.21	<0.21	<0.43	<40	440
6/24/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
7/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
8/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
9/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
10/27/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
11/29/2010	Water Unavailable for Sample Collection					
3/30/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
7/27/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
10/28/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
<b>POC (#10)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
6/17/2008	<0.5	1.6	<0.5	<1.5	<100	NA
6/24/2008	<0.5	<5.0	<0.5	2.4	<100	350
6/30/2008	<0.5	<5.0	<0.5	<1.5	<100	370
7/7/2008	<0.5	<5.0	<0.5	<1.5	<100	370
7/10/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
7/24/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
7/24/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
7/31/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/7/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/14/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/21/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
8/28/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
9/4/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
9/11/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
9/19/2008	<0.5	<5.0	<0.5	1.5	<100	NA
10/15/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
11/6/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
11/20/2008	<0.5	<5.0	<0.5	<1.5	<100	NA

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Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
2/12/2009	<0.5	<5.0	<0.5	<1.5	<100	440
4/16/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
4/23/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
4/30/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/6/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/12/2009	0.16	<1.6	<0.16	1.0	<33	NA
5/21/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/27/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
6/10/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
6/16/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
6/23/2009	<0.16	<1.6	<0.16	<0.5	<33	370
7/2/2009	<0.16	<1.6	<0.16	<0.5	<33	370
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
9/30/2009	<0.13	<0.21	<0.21	<0.43	<33	NA
10/27/2009	<0.13	<0.21	<0.21	0.79	<40	NA
11/24/2009	<0.13	<0.21	<0.21	0.45	<40	NA
12/29/2009	0.48	0.50	0.33	0.76	<40	NA
1/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
2/22/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
3/25/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
5/27/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
6/24/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
7/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
8/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
9/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
10/27/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
11/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
3/30/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
4/28/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
7/27/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
10/28/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
3/19/2012	<0.17	<0.30	<0.22	<0.56	<40	NA
5/8/2012	<0.17	<0.30	<0.22	<0.56	<40	NA
7/25/2012	0.35	0.3	<0.27	<0.86	<40	NA
11/1/2012	<0.33	<0.78	<0.38	<1.1	<31	NA
3/26/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
5/8/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013 D	<1.0	<5.0	<1.0	<3.0	<100	NA
8/21/2013 S	<1.0	<1.0	<1.0	<3.0	<50	NA
10/15/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 D	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 S	<1.0	<5.0	<1.0	<3.0	<50	NA
<b>POC (#10u)</b>						
3/25/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
<b>S2 Trench (#11)</b>						
7/7/2008	110	180	<0.50	210	1200	NA
7/10/2008	390	1500	81	2100	7400	NA
7/18/2008	560	2200	120	2700	17000	NA
7/31/2008	130	79	7.5	320	980	NA

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8/14/2008	110	29	5.8	250	1200	NA
8/21/2008	360	520	77	1700	4700	NA
8/28/2008	85	24	6.5	180	620	NA
9/19/2008	230	220	45	840	2600	NA
10/15/2008	340	300	76	1300	4000	NA
11/6/2008	23	<5.0	1.4	20	170	NA
11/20/2008	<0.5	<5.0	<0.5	1.5	<100	NA
2/12/2009	570	<50.0	82	1400	5600	930
4/16/2009	33	<8.2	2.5	210	840	NA
5/12/2009	120	<1.6	11	260	1800	NA
5/27/2009	42	<1.6	3.6	66	460	NA
7/2/2009	18	<1.6	3.4	41	330	610
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	13	<1.6	0.66	4.6	960	NA
9/30/2009	5.2	<0.21	0.46	4.9	62	NA
10/27/2009	42	0.34	3.5	44	330	NA
4/28/2010	6.7	<0.21	1.0	13	<40	NA
5/27/2010	1.8	<0.21	0.23	1.8	<40	NA
6/24/2010	2.1	<0.21	<0.21	2.3	<40	NA
7/29/2010	2.5	<0.21	<0.21	3.2	<40	NA
8/30/2010	3.5	<0.21	0.72	6.2	<40	NA
9/30/2010	3.9	<0.21	0.74	7.7	<40	NA
10/27/2010	9.1	<0.21	1.7	18	140	NA
3/30/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
7/27/2011	2.5	<0.30	<0.22	0.86	<40	NA
10/28/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
<b>Upstream - South Y (#12)</b>						
6/24/2008	<0.5	<5.0	<0.5	<1.5	<100	340
7/18/2008	<0.5	<5.0	<0.5	<1.5	<100	330
2/12/2009	<0.5	<5.0	<0.5	<1.5	<100	390
4/16/2009	<0.16	<1.6	<0.16	1.6	<33	NA
5/12/2009	<0.16	<1.6	<0.16	0.72	<33	NA
7/2/2009	<0.16	<1.6	<0.16	<0.5	<33	360
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
9/30/2009	<0.13	<0.21	<0.21	<0.43	<33	NA
10/27/2009	<0.13	<0.21	<0.21	1.00	<40	NA
11/24/2009	<0.13	<0.21	<0.21	<0.43	<40	NA
12/29/2009	0.42	0.43	0.35	0.78	<40	NA
1/28/2010	0.19	0.24	<0.21	1.2	<40	NA
2/22/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
3/25/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
5/27/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
6/24/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
7/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
8/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
9/30/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
10/27/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
11/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
12/30/2010	<0.13	0.23	<0.21	<0.43	<40	NA
3/30/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
4/28/2011	<0.13	<0.21	<0.21	<0.43	NA	NA
7/27/2011	<0.17	<0.30	<0.22	<0.56	<40	NA

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Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
10/28/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
1/16/2012	<0.17	<0.30	<0.22	<0.56	<40	NA
<b>Creek - South - 3 miles (#14)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
6/18/2008	0.43	0.65	<0.5	0.52	NA	NA
<b>Creek - Guard Shack (Lower) (#15)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
6/17/2008	<0.5	0.63	<0.5	<1.5	NA	NA
6/18/2008	0.93	1.2	0.51	1.8	NA	NA
<b>(#16)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
6/17/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
6/18/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
<b>(#17)</b>						
6/16/2008	0.33	0.91	<0.5	<1.5	NA	NA
6/17/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
6/18/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
<b>(#20)</b>						
6/17/2008	<0.5	<5.0	<0.5	<1.5	<100	NA
6/18/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
4/23/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/12/2009	<0.16	<1.6	<0.16	0.59	<33	NA
5/27/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
6/10/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
7/29/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
8/27/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
<b>Latham Spring Pond (#23)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
4/16/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
<b>Lower Williams - Pond (#24)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
<b>Joining Stream - Culvert (#25)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
7/18/2008	<0.5	<5.0	<0.5	<1.5	NA	480
<b>Joining Stream - Upstream (#26)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
<b>Lower Williams - Upstream - Culvert (#27)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
<b>Lower Williams - Upstream - Upstream (#28)</b>						
6/16/2008	<0.5	<5.0	<0.5	<1.5	NA	NA
<b>Latham - Upstream - Spring (#31)</b>						
6/17/2008	<0.5	<5.0	<0.5	<1.5	<100	NA

# Comprehensive Laboratory Data Summary by Location (June 2008 - December 2013)

Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
<b>Latham Springs Pond (#32)</b>						
6/17/2008	37	160	2.4	690	3000	NA
8/21/2008	20	<5.0	1.6	110	820	NA
8/28/2008	<0.5	<5.0	<0.5	2.2	<100	NA
5/12/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
7/29/2009	<0.16	<1.6	<0.16	<0.5	2300	NA
8/27/2009	21	<1.6	13	48	1400	NA
9/30/2009	4.7	0.55	4.8	21	630	NA
10/27/2009	11	0.35	6.2	23	660	NA
11/24/2009	8.8	0.8	4.2	24	800	NA
12/29/2009	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
9/30/2010	0.96	0.26	0.61	2.5	<40	NA
10/27/2010	1.7	<0.21	1.0	6.1	240	NA
11/29/2010	Water Unavailable for Sample Collection					
7/27/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
10/28/2011	0.24	<0.30	<0.22	0.91	93	NA
3/19/2012	<0.17	<0.30	<0.22	<0.56	<40	NA
4/8/2012	Sample Location Dry					
7/25/2012	Sample Location Dry					
11/1/2012	Sample Location Dry					
3/26/2013	Sample Location Dry					
5/8/2013	Sample Location Dry					
10/15/2013	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 D	<1.0	<5.0	<1.0	<3.0	<100	NA
10/15/2013 S	<1.0	<5.0	<1.0	<3.0	<50	NA
<b>Latham Spring - Fresh (#33)</b>						
6/17/2008	<0.5	<5.0	<0.5	0.75	<100	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
<b>Lower Corral (#34)</b>						
6/17/2008	<0.5	0.84	<0.5	<1.5	NA	NA
<b>Creek (#37)</b>						
6/16/2008	300	790	<0.5	2000	<100	NA
6/18/2008	530	290	4.2	540	NA	1436
7/2/2008	<0.5	<5.0	<0.5	15	200	NA
4/16/2009	7.9	2.0	2.4	71	350	NA
5/12/2009	12	<1.6	3.2	48	2900	NA
5/27/2009	20	<1.6	5.3	72	240	NA
12/29/2009	6.8	0.56	0.21	7.4	<40	NA
1/22/2010	Water Unavailable for Sample Collection					
3/25/2010	4.9	<0.21	1.2	9.1	<40	NA
4/28/2010	2.5	<0.21	1.1	13	<40	NA
5/27/2010	2.6	<0.21	1.3	8.3	<40	NA
6/24/2010	1.6	<0.21	0.43	3.2	<40	NA
7/29/2010	0.87	<0.21	<0.21	1.6	<40	NA
8/30/2010	0.49	<0.21	<0.21	0.8	<40	NA
9/30/2010	0.16	<0.21	<0.21	<0.43	<40	NA
10/27/2010	0.68	<0.21	<0.21	1.3	<40	NA
11/29/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
3/30/2011	<0.13	<0.21	<0.21	<0.43	<40	NA
7/27/2011	<0.17	<0.30	<0.22	<0.56	<40	NA

# Comprehensive Laboratory Data Summary by Location (June 2008 - December 2013)

Sample Date	Benzene (MCL = 5.0 µg/L)	Toluene (MCL= 560 to 1000 µg/L)*	Ethylbenzene (MCL= 700 µg/L)	Xylenes (MCL= 1400 to 10000 µg/L)*	GRO (No MCL) (µg/L)	TDS (MCL = 487 ppm)**
10/28/2011	<0.17	<0.30	<0.22	<0.56	<40	NA
<b>Tributary - Southwest (#39)</b>						
6/19/2008	790	2100	<0.5	5300	18000	NA
<b>Core Spring A (39a)</b>						
4/16/2009	<0.16	<1.6	<0.16	2.5	<33	NA
4/30/2009	<0.16	<1.6	<0.16	0.59	34	NA
5/12/2009	Water Unavailable for Sample Collection					
4/28/2010	<0.13	0.27	<0.21	<0.43	<40	NA
<b>Core Spring B (39b)</b>						
4/16/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
4/30/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/12/2009	2.1	<1.6	2.4	13	240	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
<b>Core Spring C (#39c)</b>						
4/30/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
5/12/2009	0.24	<1.6	0.26	1.0	59	NA
11/24/2009	0.41	<0.21	<0.21	0.6	<40	NA
4/28/2010	<0.13	<0.21	<0.21	<0.43	<40	NA
<b>Core Spring Confluence (conf-39)</b>						
4/30/2009	<0.16	<1.6	<0.16	<0.5	<33	NA
7/29/2009	1.2	<1.6	1.3	9.0	170	NA
8/27/2009	2.6	<1.6	1.4	9.4	190	NA
9/30/2009	0.92	0.56	0.57	2.5	52	NA
10/27/2009	0.56	<0.21	<0.21	0.5	42	NA
11/24/2009	Water Unavailable for Sample Collection					
1/22/2010	Water Unavailable for Sample Collection					
5/27/2010	2.0	0.22	1.9	12	76	NA
6/24/2010	3.0	<0.21	2.5	12.0	260	NA
7/29/2010	4.6	1.2	4.5	17	520	NA
8/30/2010	4.8	0.46	4.5	21	140	NA
9/30/2010	3.8	0.98	3.6	14	110	NA
10/27/2010	1.8	<0.21	1.1	4.1	140	NA
<b>Core Creek Seep (#39-seep)</b>						
4/30/2009	3.3	<1.6	1.9	22	360	NA

Notes:

µg/L - micrograms per liter

MCL - maximum contaminant level

GRO - gasoline range organics

TDS - total dissolved solids

ppm - parts per million

\*- the highest number within the range is the MCL

\*\* - 1.25 x background measurement from location #12 on 2/12/09 (390 ppm)

D - Indicates duplicate sample

S - Indicates Split Sample

# Comprehensive Field Parameter Summary by Location (June 2008 - December 2013)

Sample Date	pH	EC (mmohs)	Temperature (°F)	TDS (ppt)	DO (mg/L)	ORP (mV)
Latham - Upstream (#1)						
4/30/2009	8.34	0.660	47.6	370		
5/12/2009	8.26	0.740	49.6	365		
4/28/2010	8.39	0.536	44.7	266		
5/27/2010	7.80	0.586	46.9	290		
6/24/2010	Water Unavailable for Sample Collection					
7/29/2010	Water Unavailable for Sample Collection					
9/30/2010	Water Unavailable for Sample Collection					
4/28/2011	Water Unavailable for Sample Collection					
7/27/2011	Water Unavailable for Sample Collection					
Upstream - Conn Camp (#1u)						
4/30/2009	8.00	0.550	48.1	260		
5/12/2009	8.27	0.560	48.2	280		
7/29/2009	8.43	0.598	58.7	300		
8/27/2009	7.00	0.595	54.7	299		
9/30/2009	8.38	0.565	54.2	285	7.30	
4/28/2010	7.67	0.488	42.8	244		
6/24/2010	8.45	0.588	45.0	293		
7/29/2010	8.45	0.606	53.2	302		
8/30/2010	7.01	0.598	50.1	292		
9/30/2010	8.48	0.651	68.4	325		
4/28/2011	Water Unavailable for Sample Collection					
7/27/2011	Water Unavailable for Sample Collection					
N. Trench (#2)						
4/16/2009	7.47	0.924	42.6	468		
5/12/2009	7.74	0.713	56.9	362		
5/27/2009	7.84	1.231	54.4	575	0.32	71
6/23/2009					1.72	55
7/2/2009					2.66	214
7/29/2009	7.75	0.741	64.3	371	4.69	
8/27/2009	7.85	0.724	58.0	362		
9/30/2009	7.94	0.745	49.4	370	5.04	
10/27/2009	7.81	0.790	39.3	405		
11/24/2009	Water Unavailable for Sample Collection					
12/29/2009	Water Unavailable for Sample Collection					
1/27/2010	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	7.72	0.755	49.8	377		
5/27/2010	6.30	0.701	54.0	352	3.57	170
6/24/2010	7.73	0.652	56.5	327		
7/29/2010	8.00	0.644	64.8	318		
8/30/2010	7.55	0.656	54.3	328		
9/30/2010	8.10	0.691	58.6	349		
10/27/2010	7.75	0.645	42.4	318		
11/29/2011	Water Unavailable for Sample Collection					
4/28/2011	7.52	0.614	47.3	306		
7/27/2011	7.51	0.536	54.5	267		
10/28/2011	Water Unavailable for Sample Collection					
4/8/2012	7.36	0.560	58.8	279		
7/25/2012	7.45	0.624	61.9	300		

## Comprehensive Field Parameter Summary by Location (June 2008 - December 2013)

Sample Date	pH	EC (mmohs)	Temperature (°F)	TDS (ppt)	DO (mg/L)	ORP (mV)
11/1/2012	7.59	0.714	46.4	356		
3/26/2013	7.51	0.775	37.9	386		
5/8/2013	7.99	0.837	42.1	500		
8/21/2013	8.19	0.730	61.7	600	3.68	
10/15/2013	8.55	0.607	39.9	500	5.37	
10/15/2013 D	8.47	0.597	40.1	500	5.45	
10/15/2013 S	8.43	0.637	39.9	500	5.69	
<b>Latham - Trough (#4)</b>						
4/16/2009	7.99	0.601	41.0	303		
7/2/2009					3.20	200
7/29/2009	7.87	0.580	58.6	289	6.81	
8/27/2009	Water Unavailable for Sample Collection					
9/30/2009	8.02	0.229	49.4	112	9.60	
10/27/2009	7.83	0.649	41.9	323		
11/24/2009	7.94	0.650	42.5	325	8.80	
12/29/2009	7.91	0.650	41.3	335		
1/28/2010						
2/22/2010	7.98	0.692	37.9	345	NA	NA
3/25/2010	7.01	0.700	46.2	347		
4/28/2010	8.16	0.535	42.4	268		
5/27/2010	7.97	0.524	46.0	262		
6/24/2010	7.95	0.578	49.3	290		
7/29/2010	Water Unavailable for Sample Collection					
8/30/2010	7.47	0.597	48.6	298		
9/30/2010	7.80	0.614	52.5	306		
10/27/2010	7.65	0.626	45.9	313		
11/29/2010	7.88	0.644	40.7	324		
2/16/2011	7.99	0.622	40.6	331		
3/30/2011	7.94	0.619	44.0	310		
4/28/2011	7.80	0.527	44.5	262		
7/27/2011	7.74	0.540	47.7	270		
10/28/2011	7.75	0.882	33.9	439		
11/16/2012	NA	NA	NA	NA	NA	NA
<b>Latham Pump - Inside (#5)</b>						
4/16/2009	7.99	0.544	39.9	273		
<b>S1 Trench (#7)</b>						
4/16/2009	7.64	1.113	43.6	553		
5/12/2009	7.58	0.820	51.3	410		
5/27/2009	7.56	0.874	47.4	445	2.20	38
6/23/2009					3.65	80
7/2/2009					4.14	104
7/29/2009	7.71	0.845	69.8	420	4.31	
8/27/2009	8.68	0.861	59.4	430		
9/30/2009	7.86	0.793	51.3	396	5.20	
10/27/2009	7.60	0.901	33.8	452		
11/24/2009	Water Unavailable for Sample Collection					
12/29/2009	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	7.87	1.013	49.5	562		
5/27/2010	7.78	0.879	53.1	433	5.41	180

# Comprehensive Field Parameter Summary by Location (June 2008 - December 2013)

Sample Date	pH	EC (mmohs)	Temperature (°F)	TDS (ppt)	DO (mg/L)	ORP (mV)
6/24/2010	7.59	0.543	51.8	370		
7/29/2010	7.46	0.691	69.0	430		
8/30/2010	7.73	0.719	50.4	360		
9/30/2010	7.91	0.777	60.7	390		
10/27/2010	7.01	0.729	39.0	364		
11/29/2010	Water Unavailable for Sample Collection					
3/30/2011	7.25	1.018	51.3	510		
4/28/2011	7.52	0.863	54.4	433		
7/27/2011	7.53	0.812	50.2	406		
10/28/2011	7.74	0.882	33.9	439		
4/8/2012	7.47	0.794	62.6	410		
7/25/2012	7.24	0.890	66.6	447		
11/1/2012	7.30	0.925	46.8	460		
3/26/2013	7.31	1.043	45.3	500		
5/8/2013	8.03	0.575	45.9	500		
7/23/2013	7.91	0.592	65.1	700	12.10	
8/21/2013	8.04	0.843	63.9	600	2.29	
8/21/2013 D	7.88	0.831	63.5	600	2.29	
8/21/2013 S	7.89	0.835	63.0	600	2.30	
10/15/2013	8.40	0.990	43.2	700		
10/15/2013 D	8.37	0.960	43.0	700		
10/15/2013 S	8.43	0.972	43.0	700		
<b>Latham - Dam 2 (#9)</b>						
4/16/2009	8.11	0.853	45.5	348		
4/23/2009	8.45	0.970	54.1	505		
4/30/2009	8.60	0.830	57.9	438		
5/6/2009	8.80	0.470	59.0	375		
5/12/2009	8.91	0.740	60.8	370		
5/21/2009	8.64	1.773	54.8	902		
5/27/2009	8.72	0.905	53.0	455	5.30	34
6/10/2009	7.90	1.032	72.4	525		
6/16/2009	8.63	0.964	63.1	491	0.49	56
6/23/2009					2.84	105
7/2/2009					3.50	200
7/29/2009	8.53	0.933	76.6	465	5.43	
8/27/2009	7.97	0.959	66.2	476		
9/30/2009	8.54	1.084	58.8	544		
10/27/2009	8.48	1.095	32.5	547		
11/24/2009	Water Unavailable for Sample Collection					
12/29/2009	Water Unavailable for Sample Collection					
1/28/2010	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	8.72	0.716	53.4	358		
5/27/2010	8.74	0.720	70.2	358	5.43	180
6/24/2010	8.48	0.193	63.0	404		
7/29/2010	7.51	0.737	82.5	368		
8/30/2010	8.68	0.781	53.1	392		
9/30/2010	8.68	0.882	67.8	412		
10/27/2010	7.01	0.964	35.3	483		
11/29/2010	Water Unavailable for Sample Collection					
3/30/2011	8.42	0.745	40.5	374		

# Comprehensive Field Parameter Summary by Location (June 2008 - December 2013)

Sample Date	pH	EC (mmohs)	Temperature (°F)	TDS (ppt)	DO (mg/L)	ORP (mV)
4/28/2011	8.25	0.570	51.3	285		
7/27/2011	8.60	0.700	50.1	350		
10/28/2011	8.41	0.867	33.1	432		
<b>POC (#10)</b>						
4/16/2009	8.61	0.625	45.5	310		
4/23/2009	8.49	0.602	52.1	305		
4/30/2009	8.56	0.495	60.7	275		
5/6/2009	8.64	0.490	57.1	249		
5/12/2009	8.63	0.484	58.7	241		
5/21/2009	8.64	0.689	52.3	350		
5/27/2009	7.05	0.460	49.7	225	6.08	48
6/10/2009	7.05	0.499	52.2	260		
6/16/2009	8.69	0.560	60.6	287	0.50	64
6/23/2009					2.90	95
7/2/2009					5.50	206
7/29/2009	8.62	0.571	74.9	285	6.30	
8/27/2009	8.40	0.592	59.8	297		
9/30/2009	8.78	0.601	56.8	299	5.90	
10/27/2009	8.53	0.643	36.0	321		
11/24/2009	8.80	0.593	34.4	295	10.14	
12/29/2009	8.67	0.620	36.8	310		
1/28/2010						
2/22/2010	8.18	0.516	32.4	262		
3/25/2010	8.12	0.628	38.1	313		
4/28/2010	8.59	0.537	50.6	260		
5/27/2010	9.13	0.522	64.0	260		
6/24/2010	8.69	0.590	55.9	295		
7/29/2010	8.56	0.622	74.3	310		
8/30/2010	8.25	0.549	51.4	274		
9/30/2010	8.77	0.621	64.2	310		
10/27/2010	7.01	0.594	36.4	297		
11/29/2010	8.43	0.672	33.0	335		
12/30/2010	8.68	NA	32.2	NA		
3/30/2011	8.32	0.610	45.3	306		
4/28/2011	8.32	0.499	51.5	249		
7/27/2011	8.66	0.573	49.4	287		
10/28/2011	8.51	0.146	32.3	69		
4/8/2012	7.94	0.771	62.4	385		
7/25/2012	8.23	0.602	62.8	301		
11/1/2012	8.36	0.610	47.3	316		
3/26/2013	8.19	0.615	40.7	308		
5/8/2013	8.56	0.575	45.7	500		
7/23/2013	8.49	0.559	73.9	500	4.27	
8/21/2013	8.85	0.617	63.9	500	4.49	
8/21/2013 D	8.73	0.608	62.9	500	4.60	
8/21/2013 S	8.67	0.602	63.0	500	4.65	
10/15/2013	8.94	0.674	43.5	500	7.41	
10/15/2013 D	8.96	0.679	43.7	500	7.28	
10/15/2013 S	7.41	0.675	43.7	600	7.21	
<b>POC (#10u)</b>						
3/25/2010	8.00	0.670	44.1	339		

# Comprehensive Field Parameter Summary by Location (June 2008 - December 2013)

Sample Date	pH	EC (mmohs)	Temperature (°F)	TDS (ppt)	DO (mg/L)	ORP (mV)
<b>S2 Trench (#11)</b>						
4/16/2009	7.70	1.183	44.2	590		
5/12/2009	7.74	0.965	51.0	480		
5/27/2009	7.68	0.920	49.9	290	2.00	41
6/23/2009					2.80	80
7/2/2009					4.62	109
7/29/2009	7.71	0.845	69.8	420	4.31	
8/27/2009	7.77	1.004	57.0	501		
9/30/2009	7.79	0.954	47.9	477	4.20	
10/27/2009	7.64	1.070	33.2	536		
11/24/2009	Water Unavailable for Sample Collection					
12/29/2009	Water Unavailable for Sample Collection					
1/28/2010	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	7.97	1.126	49.0	562		
5/27/2010	7.99	1.054	59.5	530	5.85	180
6/24/2010	7.92	0.933	54.8	466		
7/29/2010	7.80	0.863	69.0	430		
8/30/2010	8.32	0.798	50.6	399		
9/30/2010	7.91	0.874	54.4	436		
10/27/2010	7.49	0.802	43.4	397		
11/29/2010						
3/30/2011	7.04	1.099	46.2	548		
4/28/2011	7.50	0.328	54.8	467		
7/27/2011	7.56	0.894	53.0	448		
10/28/2011	7.69	0.950	34.6	473		
<b>Upstream - South Y (#12)</b>						
4/16/2009	8.59	0.507	45.7	255		
4/30/2009	7.00	0.608	56.0	315		
5/12/2009	8.68	0.513	59.6	260		
7/2/2009					5.60	186
7/29/2009	8.61	2.330	73.7	116		
8/27/2009	8.58	0.556	60.0	278		
9/30/2009	8.82	0.555	56.7	277	7.28	
10/27/2009	8.64	0.596	36.4	298		
11/24/2009	8.75	0.571	34.7	285	9.87	
12/29/2009	8.30	0.602	37.5	300		
2/22/2010	8.25	0.643	32.9	314		
3/25/2010	8.09	0.604	39.6	300		
4/28/2010	8.72	0.512	52.1	256		
5/27/2010	9.14	0.510	61.2	255		
6/24/2010	8.66	0.586	55.9	291		
7/29/2010	6.68	0.576	74.1	288		
8/30/2010	8.46	0.529	51.5	256		
9/30/2010	8.60	0.591	64.2	293		
10/27/2010	7.01	0.546	35.0	274		
11/29/2010	8.40	0.630	33.5	315		
12/30/2010	8.50	NA	32.0	NA		
2/16/2011	8.45	0.607	36.8	302		

# Comprehensive Field Parameter Summary by Location (June 2008 - December 2013)

Sample Date	pH	EC (mmohs)	Temperature (°F)	TDS (ppt)	DO (mg/L)	ORP (mV)
3/30/2011	8.29	0.585	44.8	292		
4/28/2011	8.36	0.500	51.1	249		
7/27/2011	8.49	0.550	49.2	274		
10/28/2011	8.52	0.116	32.1	63		
1/16/2012	NA	NA	NA	NA	NA	NA
<b>(#20) Cow Paddy Pad (Trinidad Crossing)</b>						
4/23/2009	8.67	1.160	55.4	618		
5/12/2009	8.86	0.495	59.5	250		
5/27/2009	8.89	0.474	53.2	240	5.69	42
6/10/2009	8.78	0.478	58.5	250		
7/29/2009	8.80	0.525	69.3	262		
8/27/2009	8.63	0.573	62.7	284		
<b>Latham Spring Pond (#23)</b>						
4/16/2009	8.06	0.488	40.3	243		
<b>Latham Springs Pond (#32)</b>						
5/12/2009	7.98	0.517	49.8	260		
7/29/2009	7.35	0.619	61.7	308	3.15	
8/27/2009	7.51	0.616	53.1	308		
9/30/2009	7.48	0.231	51.6	119	5.04	
10/27/2009	7.65	0.572	37.8	286		
11/24/2009	7.73	0.653	34.3	326	2.90	
12/29/2009	Water Unavailable for Sample Collection					
2/22/2010	Water Unavailable for Sample Collection					
3/25/2010	Water Unavailable for Sample Collection					
4/28/2010	8.03	0.532	44.6	266		
5/27/2010	7.87	0.538	53.2	272		
6/24/2010	7.79	0.549	53.3	276		
7/29/2010	7.57	0.649	64.9	322		
8/30/2010	7.61	0.589	51.1	293		
9/30/2010	7.44	0.595	54.7	296		
10/27/2010	7.39	0.596	43.7	295		
11/29/2010	Water Unavailable for Sample Collection					
12/30/2010	7.30	0.621	37.8	306		
4/28/2011	7.95	0.516	46.2	260		
7/27/2011	7.89	0.511	48.4	255		
10/28/2011	7.66	0.642	37.9	321		
4/8/2012	Water Unavailable for Sample Collection					
7/25/2012	Water Unavailable for Sample Collection					
11/1/2012	Water Unavailable for Sample Collection					
3/26/2013	Water Unavailable for Sample Collection					
5/8/2013	Water Unavailable for Sample Collection					
10/15/2013	9.70	0.251	44.4	100	4.93	
10/15/2013 D	9.91	0.154	42.3	100	5.41	
10/15/2013 S	9.89	0.173	41.2	100	5.39	
<b>Latham Spring - Fresh (#33)</b>						
4/28/2010	8.15	0.583	41.3	267		
<b>Creek (#37)</b>						
4/16/2009	8.34	0.696	42.4	348		
5/12/2009	7.58	0.554	52.2	279		
5/27/2009	8.20	0.905	50.2	270	4.83	-75
12/29/2009	8.03	0.764	33.1	381		

# Comprehensive Field Parameter Summary by Location (June 2008 - December 2013)

Sample Date	pH	EC (mmhos)	Temperature (°F)	TDS (ppt)	DO (mg/L)	ORP (mV)
1/22/2010	Water Unavailable for Sample Collection					
3/25/2010	8.23	0.742	37.7	373		
4/28/2010	8.35	0.571	46.0	206		
5/27/2010	8.24	0.490	54.3	245		
6/24/2010	7.25	0.638	51.4	319		
7/29/2010	6.51	0.702	58.7	350		
8/30/2010	8.01	0.696	50.3	342		
9/30/2010	8.07	0.724	51.5	360		
10/27/2010	7.95	0.673	71.6	346		
11/29/2010	7.78	0.620	35.4	311		
3/30/2011	7.85	0.740	41.3	370		
4/28/2011	8.05	0.509	47.9	254		
7/27/2011	8.07	0.606	49.5	302		
10/28/2011	8.04	0.671	36.4	335		
<b>Core Spring A (39a)</b>						
4/16/2009	8.03	0.575	46.2	288		
4/30/2009	7.88	0.600	49.8	320		
5/12/2009	Water Unavailable for Sample Collection					
4/28/2010	7.33	0.526	47.0	260		
<b>Core Spring B (39b)</b>						
4/16/2009	8.03	0.630	44.6	318		
4/30/2009	7.97	0.485	48.5	265		
5/12/2009	8.01	0.629	53.7	325		
4/28/2010	8.17	0.485	44.5	243		
<b>Core Spring C (#39c)</b>						
4/30/2009	7.05	0.598	75.6	315		
5/12/2009	7.77	0.540	47.3	270		
11/24/2009	7.81	0.586	44.7	296	4.28	
4/28/2010	7.66	0.630	45.8	314		
<b>Core Spring Confluence (conf-39)</b>						
4/30/2009	8.53	0.513	58.0	265		
7/29/2009	6.97	0.686	73.8	341		
8/27/2009	8.28	0.676	75.1	337		
9/30/2009	8.40	0.612	55.9	305	5.90	
10/27/2009	8.02	0.699	42.4	346		
11/24/2009	Water Unavailable for Sample Collection					
1/22/2010	Water Unavailable for Sample Collection					
4/28/2010	8.55	0.516	54.9	239		
5/27/2010	8.20	0.520	52.2	260		
6/24/2010	8.18	0.535	64.2	268		
7/29/2010	7.86	0.649	63.4	329		
8/30/2010	7.01	0.586	50.0	292		
9/30/2010	8.04	0.594	65.6	297		
10/27/2010	7.92	0.558	45.2	280		
<b>Core Creek Seep (#39-seep)</b>						
4/30/2009	7.57	0.625	48.6	345		

Notes:

EC - Electroconductivity

mmhos - millimhos

TDS - total dissolved solids

ppt - parts per thousand

DO - Dissolved oxygen

mg/L - milligrams per liter

ORP - Oxidation reduction potential

NA - Indicates field instrument malfunction

Blank - Indicates no readings were taken