

OCTOBER 2013 GROUNDWATER MONITORING REPORT

**CHS AUBURN SITE
AUBURN, WASHINGTON**

**Submitted by:
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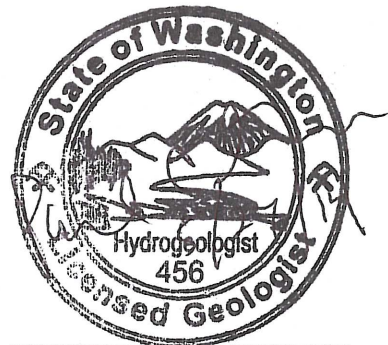
**For:
CHS Inc.
763 Willoughby Lane
Stevensville, Montana 59870**

May 27, 2014

Prepared by:



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1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this report on behalf of CHS Inc. (CHS) to document the groundwater monitoring activities conducted on October 22 and 23, 2013 at the CHS Auburn site in Auburn, Washington (herein referred to as the Site). The report also presents the results of ongoing air sparging and groundwater treatment system operation and maintenance activities at the Site. The Site location is provided on Figure 1 and a Site Plan is provided on Figure 2.

Periodic groundwater monitoring is being conducted during completion of a Remedial Investigation/Feasibility Study (RI/FS) for the Site. The RI/FS is being conducted in accordance with the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), as established in Chapter 173-340 of the Washington Administrative Code and pursuant to the requirements of Agreed Order No. 4033 entered into between CHS and the Washington State Department of Ecology (Ecology). The Remedial Investigation Report was submitted to Ecology on July 20, 2011 (Farallon 2011). A draft Feasibility Study for the Site was submitted to Ecology on April 5, 2013 and is currently being revised based on Ecology comments (Farallon 2013a). The Site name is listed on the Ecology Confirmed and Suspected Contaminated Sites List database as *Cenex Valley Supply Coop*, and the Site has been assigned Site Identification No. 2487.

The scope of work for the October 2013 groundwater monitoring event was conducted in accordance with the Technical Memorandum Regarding Groundwater Monitoring Program Modification, CHS Auburn Site dated March 2, 2012, prepared by Farallon (2012) (March 2012 Technical Memorandum), which was approved by Ecology. In addition to the monitoring program requirements outlined in the March 2012 Technical Memorandum, monitoring well CMW-7 has been included in the semiannual groundwater monitoring program for sampling and analysis for at least 1 year based on discussions with Ecology regarding the scope of the monitoring program.

This report is organized as follows:

- Section 2 describes the field methods and sampling protocols used for the October 2013 groundwater monitoring event.
- Section 3 presents the results of the groundwater monitoring activities, including sampling analytical results.
- Section 4 provides a summary of Central/Perimeter air sparging (AS) system operation and maintenance activities conducted at the Site since May 2013.
- Section 5 presents a discussion of contaminant and dissolved oxygen distribution in groundwater.
- Section 6 provides a list of the documents cited in this report.



2.0 FIELD METHODS

This section summarizes the field measurement and sampling methods used during the October 2013 monitoring and sampling event at the Site.

2.1 SAMPLING PROTOCOLS

Groundwater samples were collected at the Site on October 22 and 23, 2013 using low-flow sampling methods as described in the March 2012 Technical Memorandum. Groundwater elevations and dissolved-oxygen content in groundwater were measured at select well locations on October 22, 2013 prior to initiation of sampling. Groundwater elevations were measured also during sampling at each monitoring well. The depth to groundwater in each monitoring well was measured to the nearest 0.01 foot using an electronic water-level measuring device from the surveyed location on the top of the well casing. Measurements of dissolved-oxygen levels in groundwater were obtained using an InsiteIG Model 3100 dissolved-oxygen analyzer and optical fluorescence down-hole probe. The depth to groundwater measurements and water-level elevations determined prior to sampling for the groundwater monitoring events conducted from June 2008 through October 2013 are presented in Table 1. The dissolved-oxygen measurements obtained concurrent with the initial water-level measurements are presented in Table 2.

Before the monitoring wells were purged, the intake of the dedicated polyethylene tubing was placed in the approximate middle of the saturated portion of the well screen. Groundwater was purged from each well at a flow rate of approximately 100 to 300 milliliters per minute. Field measurements for pH, temperature, specific conductivity, dissolved oxygen, and oxidation-reduction potential (ORP) were recorded during purging of groundwater prior to sampling at each monitoring well using YSI Model 556 MPS water quality analyzers equipped with flow-through cells. The results of the water-quality parameter geochemical measurements are presented in Table 2. Groundwater samples were collected after the pH, temperature, and conductivity, parameters stabilized. Stabilization for pH was determined as a change of +/-0.1 pH units between readings for three consecutive measurements, and for temperature and conductivity as a relative percent difference of less than 3 percent between readings for three consecutive measurements.

Following stabilization, the samples were collected by pumping groundwater directly from each monitoring well through dedicated polyethylene tubing into laboratory-prepared containers, taking care to minimize turbulence. Care was taken not to handle the seal or lid of the container when placing samples into the containers. The containers were filled to eliminate headspace, and the seal/lid secured. The samples were placed on ice in a cooler under standard chain-of-custody protocols and delivered to OnSite Environmental Inc. of Redmond, Washington (OnSite) for laboratory analysis.

2.2 SELECTED MONITORING WELLS AND ANALYSIS

During the October 2013 monitoring and sampling event, groundwater samples were collected from monitoring wells CMW-2, CMW-7, CMW-8, CMW-10, CMW-12, CMW-13, CMW-25



through CMW-29, CMW-31, HMW-9 through HMW-11, and HMW-13 and analyzed for the following:

- Total petroleum hydrocarbons as diesel-range organics (DRO) and as oil-range organics (ORO) by Northwest Method NWTPH-Dx;
- Total petroleum hydrocarbons as gasoline-range organics (GRO) by Northwest Method NWTPH-Gx; and
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by U.S. Environmental Protection Agency (EPA) Method 8021B.

The sample extracts for the DRO analyses were treated with a sulfuric acid/silica gel cleanup procedure consistent with the previous groundwater analyses conducted since 2008. Duplicate groundwater samples were collected from monitoring wells CMW-12 and CMW-27 for quality assurance/quality control (QA/QC) purposes. Monitoring wells CMW-4, CMW-6, CMW-15, and CMW-30 were monitored for water-level elevations and dissolved-oxygen content only. Monitoring well HMW-12 was intended to be monitored for water-level elevation and dissolved-oxygen content, but could not be located visually or using a magnetometer during any of the past three monitoring events. It appears that the well was inadvertently destroyed during landscaping activities in the planting area where it is located at the intersection of 6th Street Southeast and Auburn Way South. During the April 2013 monitoring event, concrete fragments were observed in landscaping bark in the area where monitoring well HMW-12 was thought to be located. Wastewater generated during development and purging of the monitoring wells is being temporarily stored in labeled 55-gallon drums at the Site.



3.0 GROUNDWATER MONITORING RESULTS

The following sections present the results of the October 2013 groundwater monitoring event conducted at the Site.

3.1 GROUNDWATER ELEVATIONS

The groundwater elevations measured in the Site monitoring wells during the October 2013 monitoring event ranged from 67.26 feet above mean sea level in monitoring well CMW-30 to 65.97 feet above mean sea level in monitoring well CMW-8 (Table 1). Groundwater elevation contours based on the measured elevations on October 22, 2013 are shown on Figure 3. Groundwater flow direction was northeast, with an average gradient of 0.0015 foot per foot. The groundwater elevations measured in October 2013 were approximately 3 feet lower on average than those measured during the previous monitoring event in April 2013 (Farallon 2013b).

3.2 SITE-WIDE MONITORING ANALYTICAL RESULTS

The analytical results for the October 2013 groundwater monitoring event at the Site are discussed in the following sections. For screening purposes, the analytical results for DRO, ORO, GRO, and BTEX constituents are compared in Table 3 to MTCA Method A groundwater cleanup levels. Final cleanup levels for the Site will be defined in the Cleanup Action Plan to be prepared following completion of the Feasibility Study for the Site. The laboratory analytical reports for the October 2013 monitoring event are included in Appendix A.

3.2.1 GRO

GRO was detected at concentrations exceeding the MTCA Method A screening level of 800 micrograms per liter ($\mu\text{g/l}$) in the groundwater samples collected from 2 of the 16 monitoring wells sampled during the October 2013 monitoring event (Table 3). GRO was detected at a concentration of 2,200 $\mu\text{g/l}$ in the sample collected from monitoring well CMW-27 and at a concentration of 820 $\mu\text{g/l}$ in the sample collected from monitoring well HMW-11. GRO also was detected at a concentration of 2,100 $\mu\text{g/l}$ in the duplicate sample collected for QA/QC purposes from monitoring well CMW-27. The analytical results for GRO for the October 2013 groundwater monitoring event are presented on Figure 4.

3.2.2 BTEX

No BTEX constituents were detected at concentrations exceeding MTCA Method A screening levels during the October 2013 monitoring event (Table 3).

3.2.3 DRO

DRO was detected at a concentration exceeding the MTCA Method A screening level of 0.5 milligrams per liter (mg/l) in the groundwater samples collected from 2 of the 16 monitoring wells sampled during the October 2013 monitoring event (Table 3). DRO was detected at a concentration of 2.8 mg/l in the groundwater sample collected from monitoring well CMW-27 and at a concentration of 1.3 mg/l in the groundwater sample collected from monitoring well



CMW-10. DRO also was detected at a concentration of 2.6 mg/l in the QA/QC duplicate groundwater sample collected from monitoring well CMW-27. The laboratory reporting limits for the DRO analyses slightly exceeded the MTCA Method A screening level in groundwater water samples collected from monitoring wells CMW-12 and HMW-11 due to interferences in the samples. The analytical results for DRO for the October 2013 groundwater monitoring event are presented on Figure 5.

3.2.4 ORO

ORO was not detected at concentrations exceeding the MTCA Method A screening level of 0.5 mg/l in the samples collected and analyzed during the October 2013 monitoring event (Table 3).

3.2.5 Groundwater Geochemical Parameters

The groundwater geochemical parameters measured in the field during the October 2013 monitoring event included pH, ORP, and dissolved-oxygen content. The results for these geochemical parameters for the October 2013 monitoring event are presented in Table 2 and are summarized in the following sections. The dissolved-oxygen findings are discussed further in Section 5.2, Dissolved-Oxygen Distribution in Groundwater.

3.2.5.1 Oxidation-Reduction Potential

ORP readings in groundwater measured during the October 2013 groundwater sampling event ranged from -54.2 millivolts at monitoring well CMW-12 to 239.7 millivolts at monitoring well CMW-26.

3.2.5.2 pH

The pH measurements for groundwater samples collected during the October 2013 monitoring event ranged from 5.46 pH units at monitoring well CMW-28 to 6.92 pH units at monitoring well CMW-2.

Dissolved Oxygen

The dissolved-oxygen readings measured at the Site on October 22, 2013 ranged from 0.06 mg/l in monitoring wells CMW-30 and HMW-10 to 6.54 mg/l in monitoring well CMW-2.

3.3 DATA VALIDATION

Farallon reviewed the analytical data package provided by OnSite for sample delivery group 1310-258. The laboratory analytical reports for the samples analyzed by OnSite are provided in Appendix A. The groundwater samples from sample delivery group 1310-258 were analyzed for GRO, DRO, ORO, and BTEX constituents by the methods cited above. The samples were analyzed within the prescribed method holding times for each of the analyses. The QA/QC testing performed by OnSite included evaluation of surrogate recoveries and matrix spike/matrix spike duplicates. Results of the QA/QC testing were within established laboratory control limits. Based on Farallon's review of the QA/QC data generated during the October 2013 monitoring event, the groundwater analytical results are acceptable for use in characterizing groundwater



quality at the Site relative to the groundwater quality screening levels used for comparative purposes in this report.



4.0 TREATMENT SYSTEM OPERATION AND MAINTENANCE

This section provides a summary of the operation and maintenance activities conducted on the Central/Perimeter AS system at the Site since May 2013. Farallon has been conducting monthly operation and maintenance inspections of the combined Central/Perimeter AS system at the Site since the previous groundwater monitoring event was conducted in April 2013. No significant irregularities were noted during the operation and maintenance inspections from May 15 to October 22, 2013. Air flows to the individual AS wells were rebalanced during each system inspection. The rotometers for the AS system were cleaned in May 2013. A new air filter for the compressor system was installed on August 6, 2013.

AS wells CAS-1 through CAS-4, CAS-12, and CAS-13 are currently being used for sparging at the Site. AS wells CAS-1 through CAS-4 are located on the down-gradient perimeter of the restaurant property north of the CHS Auburn facility, and AS wells CAS-12 and CAS-13 are located up-gradient of monitoring well CMW-10 (Figure 2). Air flows of approximately 2 standard cubic feet per minute (scfm) were maintained in the AS wells at pressures ranging from approximately 11 to 12 pounds per square foot. A lower air flow of approximately 0.5 scfm was maintained in AS well CAS-1. Lower air flows typically are observed in AS well CAS-1.



5.0 DISCUSSION

The following sections provide an overview of the distribution of DRO, GRO, BTEX constituents, and dissolved oxygen in groundwater at the Site, and planned actions with respect to the RI/FS and groundwater monitoring activities.

5.1 CONTAMINANT DISTRIBUTION IN GROUNDWATER

The concentrations of constituents of concern detected in groundwater samples collected from Site monitoring wells during the October 2013 monitoring event varied relative to the April 2013 monitoring event (Farallon 2013b) as follows:

- DRO, GRO, and xylenes concentrations increased in the groundwater samples collected from monitoring well CMW-10 between the April and October 2013 monitoring events. Of these constituents, only DRO was detected at a concentration exceeding MTCA Method A screening levels at this location during the October 2013 monitoring event.
- GRO and benzene concentrations increased in the groundwater sample collected from monitoring well CMW-12 between April and October 2013. Xylenes concentrations decreased in the groundwater samples collected from monitoring well CMW-12 between April and October 2013. None of these constituents were detected at concentrations exceeding MTCA Method A screening levels at this location during the October 2013 monitoring event.
- GRO, benzene, and ethylbenzene concentrations increased in groundwater samples collected from monitoring well CMW-27 between the April and October 2013 monitoring events, whereas DRO and xylenes concentrations decreased. Of these constituents, only GRO and DRO were detected at concentrations exceeding MTCA Method A screening levels at this location during the October 2013 monitoring event.
- The GRO, benzene, and ethylbenzene concentrations increased in the groundwater samples collected from monitoring well HMW-11 between the April and October 2013 monitoring event. However, only GRO was detected at concentration exceeding MTCA Method A screening levels at this location during the October 2013 monitoring event.

5.2 DISSOLVED-OXYGEN DISTRIBUTION IN GROUNDWATER

Since initiation of the second phase of dissolved-oxygen enhancement testing in June 2010, AS wells CAS-1 through CAS-4, CAS-12, and CAS-13 have been operating on or near the down-gradient perimeter of the restaurant property north of the CHS Auburn facility (Figure 2). Dissolved-oxygen levels in monitoring well CMW-2 have been significantly elevated as a result of focusing air flows into the down-gradient perimeter AS wells, most likely from AS well CAS-2, located approximately 25 feet in the cross-gradient direction of groundwater flow.

The distribution of dissolved oxygen measured in groundwater in October 2013 was generally consistent with previous monitoring events, with elevated levels of dissolved oxygen in monitoring well CMW-2, depleted levels in monitoring wells on the CHS Auburn property, and



depleted levels in monitoring wells northeast of Auburn Way South. In general, dissolved-oxygen levels measured on the Thai Restaurant property and in the down-gradient area of the Site were higher than those typically measured at the Site.

Background dissolved-oxygen concentrations of 4.85 to 5.14 mg/l were measured in monitoring wells CMW-4 and CMW-7 during the October 2013 monitoring event, both of which were higher than the levels typically measured in these monitoring wells. Higher than normal dissolved-oxygen concentrations were measured in monitoring wells CMW-10 and CMW-28, at 6.31 and 6.07 mg/l, respectively. Both monitoring wells CMW-10 and CMW-28 are located in the vicinity of the currently operating AS wells, and dissolved-oxygen levels likely are affected by AS operations. A higher than normal dissolved-oxygen concentration was measured also in monitoring well CMW-13, at 5.55 mg/l. Monitoring well CMW-13 is located across Auburn Way South from the operating AS wells, which suggests that the sparging operation is capable of elevating dissolved-oxygen concentrations in groundwater at a distance approximately 100 feet down-gradient from the nearest operating AS well, at least on a seasonal or periodic basis. Dissolved-oxygen concentrations measured in groundwater in monitoring well CMW-13 have varied widely, from less than 1 mg/l to greater than background levels, with no apparent trend in seasonality. With the exception of monitoring well CMW-13, dissolved-oxygen levels of less than 1 mg/l were observed immediately down-gradient of the area of the GRO and DRO plumes depicted on Figures 4 and 5, respectively, northeast of Auburn Way South, consistent with previous monitoring events. Farther down-gradient, higher concentrations of dissolved oxygen ranging from 1.70 to 3.10 mg/l were measured in monitoring wells CMW-8, CMW-15, and CMW-31.



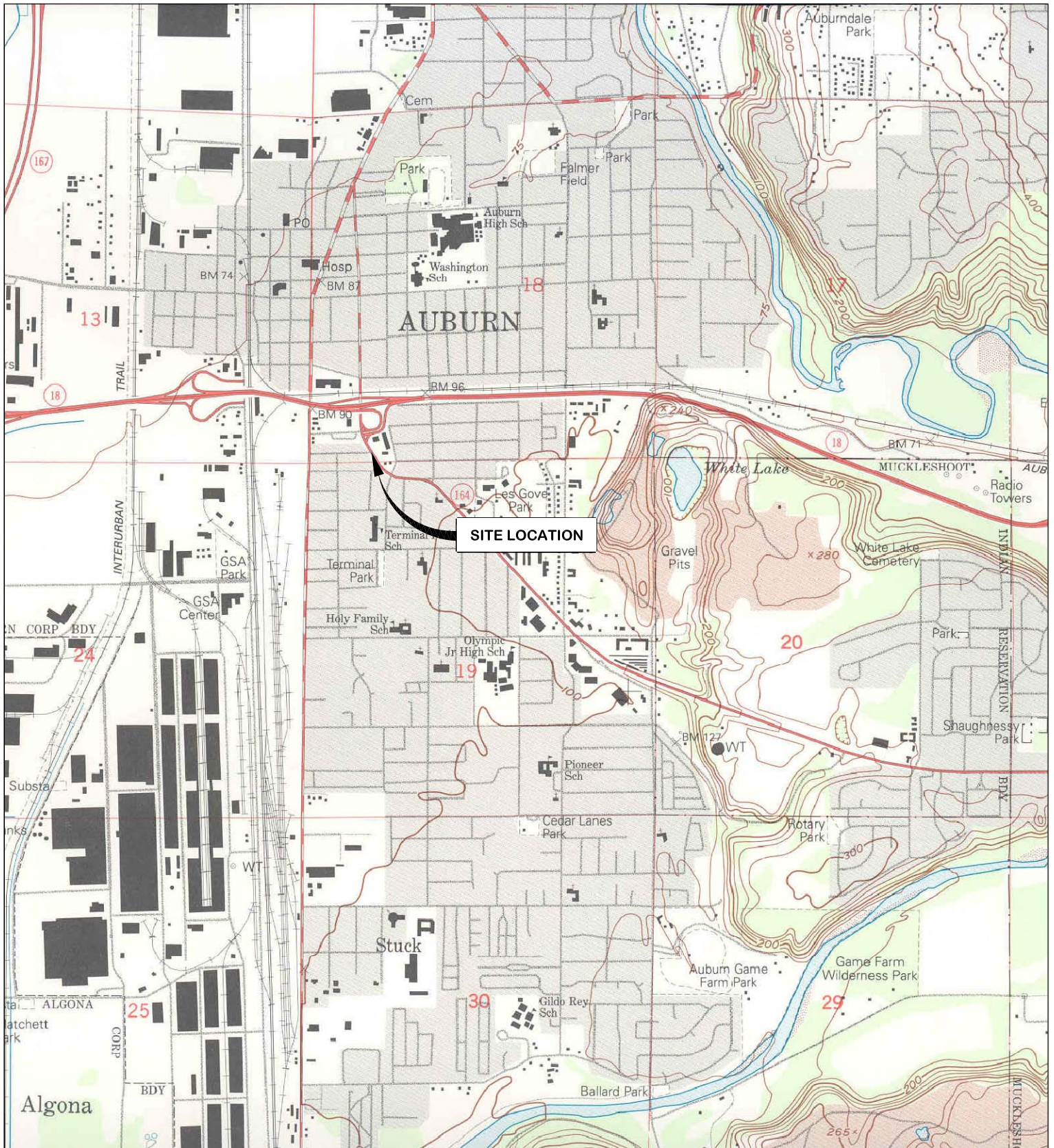
6.0 REFERENCES

- Farallon Consulting, L.L.C. (Farallon). 2011. *Remedial Investigation Report, CHS Auburn Site, Auburn, Washington*. Prepared for CHS Inc., Stevensville, Montana. July 20.
- . 2012. Technical Memorandum Regarding Groundwater Monitoring Program Modification, CHS Auburn Site. From Paul C. Grabau. To Jerome Cruz, Washington State Department of Ecology. March 2.
- . 2013a. Draft *Feasibility Study CHS Auburn Site, Auburn, Washington*. Prepared for CHS Inc., Stevensville, Montana. April 5.
- . 2013b. *April 2013 Groundwater Monitoring Report, CHS Auburn Site, Auburn Washington*. Prepared for CHS Inc., Stevensville, Montana. October 2.

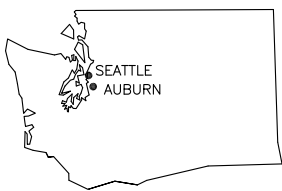
FIGURES

OCTOBER 2013 GROUNDWATER MONITORING REPORT CHS Auburn Site Auburn, Washington

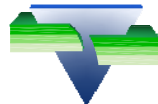
Farallon PN: 301-004



REFERENCE: 7.5 MINUTE USGS QUADRANGLE AUBURN, WASHINGTON. DATED 1949 AND PHOTOREVISED 1994



WASHINGTON



FARALLON CONSULTING
 975 5th Avenue Northwest
 Issaquah, WA 98027

FIGURE 1

SITE VICINITY MAP
 CHS AUBURN SITE
 AUBURN, WASHINGTON

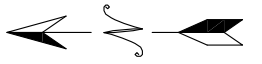
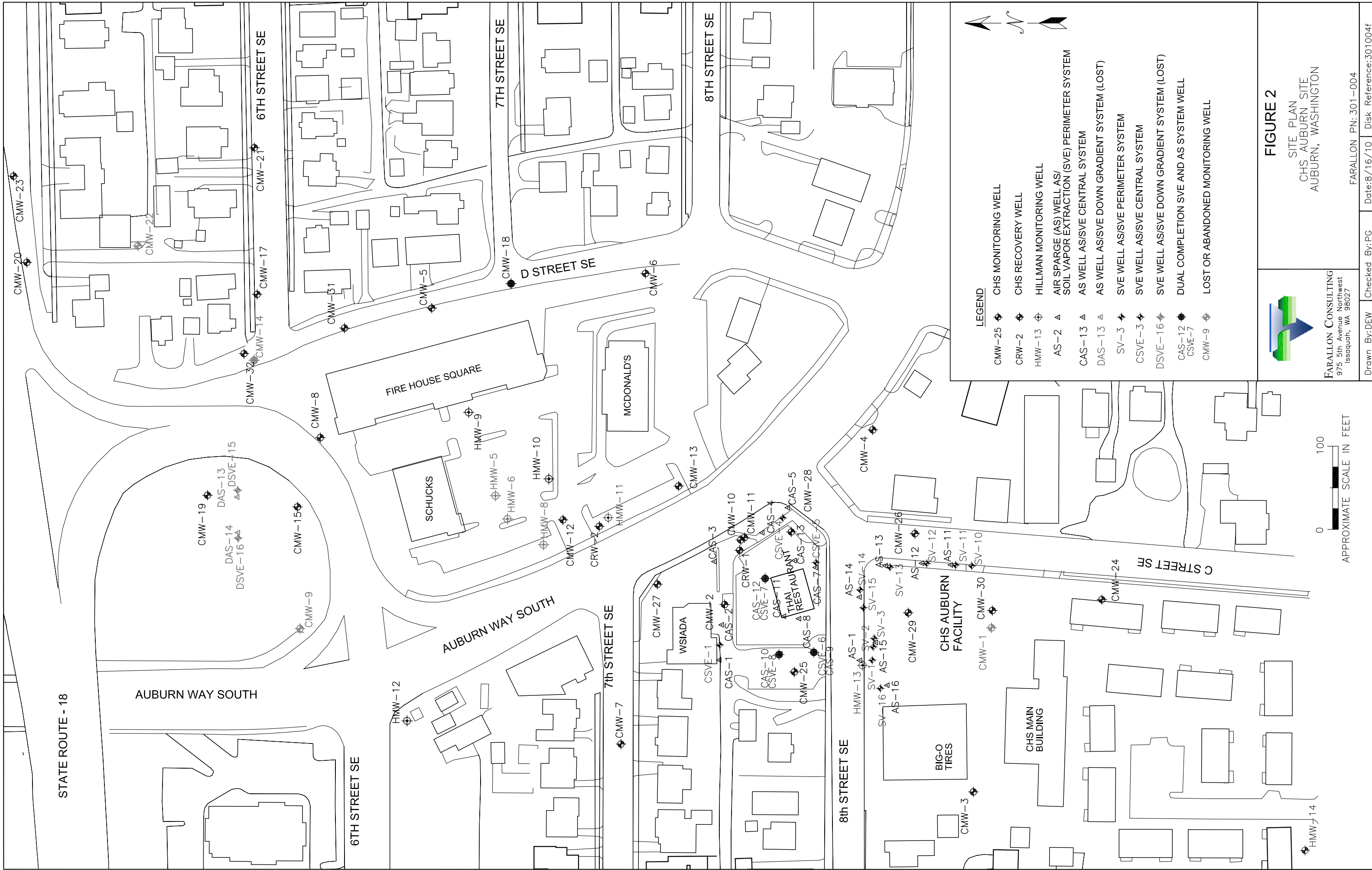
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Date: 7/18/08

Disk Reference: 301004b



LEGEND

- CMW-25 ◈ CHS MONITORING WELL
- CRW-2 ◈ CHS RECOVERY WELL
- HMW-13 ◈ HILLMAN MONITORING WELL
- AS-2 ◈ AIR SPARGE (AS) WELL AS/ SOIL VAPOR EXTRACTION (SVE) PERIMETER SYSTEM
- CAS-13 ◈ AS WELL AS/SVE CENTRAL SYSTEM
- DAS-13 ◈ AS WELL AS/SVE DOWN GRADIENT SYSTEM (LOST)
- SV-3 ◈ SVE WELL AS/SVE PERIMETER SYSTEM
- CSVE-3 ◈ SVE WELL AS/SVE CENTRAL SYSTEM
- DSVE-16 ◈ SVE WELL AS/SVE DOWN GRADIENT SYSTEM (LOST)
- CAS-12 ◈ DUAL COMPLETION SVE AND AS SYSTEM WELL
- CSVE-7 ◈ DUAL COMPLETION SVE AND AS SYSTEM WELL
- CMW-9 ◈ LOST OR ABANDONED MONITORING WELL

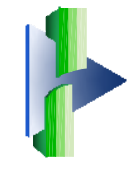
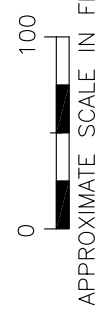


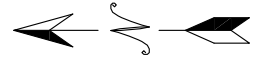
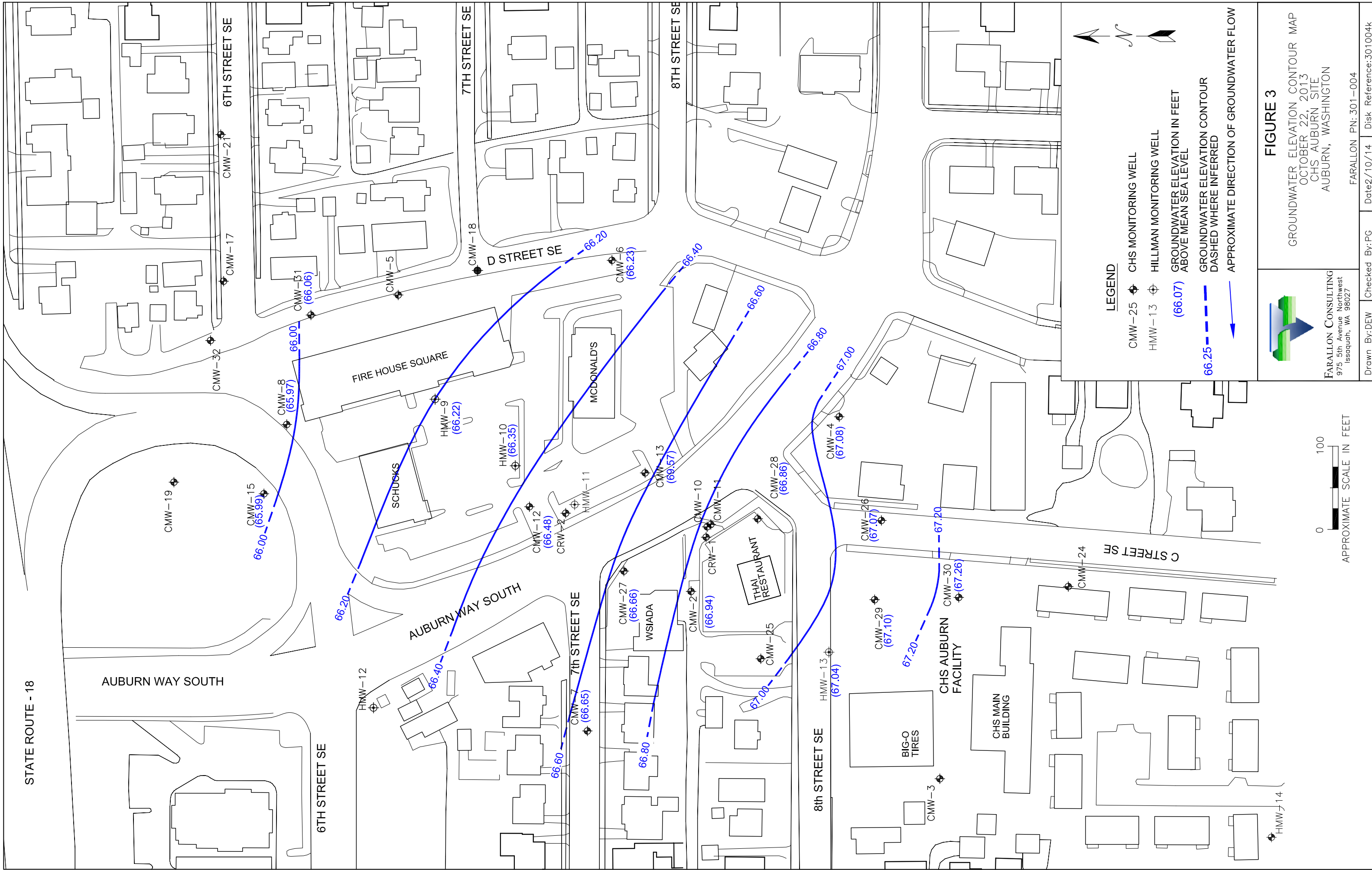
FIGURE 2
 SITE PLAN
 CHS AUBURN SITE
 AUBURN, WASHINGTON

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 975 5th Avenue Northwest
 Issaquah, WA 98027

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APPROXIMATE SCALE IN FEET



LEGEND

- CMW-25 CHS MONITORING WELL
- HMW-13 HILLMAN MONITORING WELL
- (66.07) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

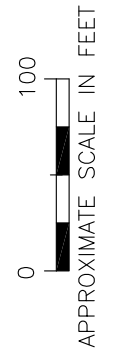
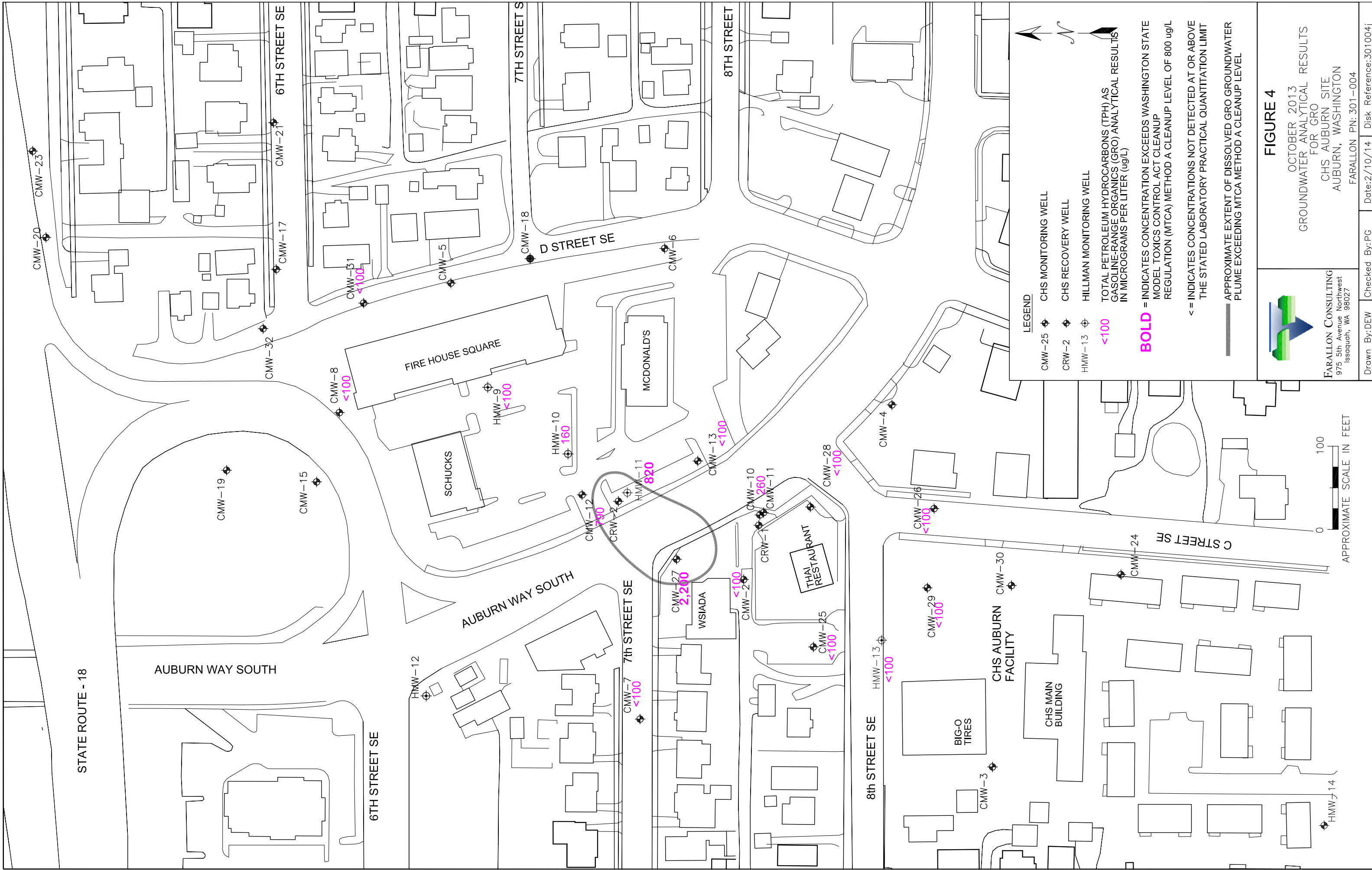


FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
 OCTOBER 22, 2013
 CHS AUBURN SITE
 AUBURN, WASHINGTON

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 975 5th Avenue Northwest
 Issaquah, WA 98027



LEGEND

- CMW-25 ◊ CHS MONITORING WELL
- CRW-2 ◊ CHS RECOVERY WELL
- HMW-13 ◊ HILLMAN MONITORING WELL

<100
TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS (GRO) ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)

BOLD
= INDICATES CONCENTRATION EXCEEDS WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) METHOD A CLEANUP LEVEL OF 800 ug/L

<
= INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

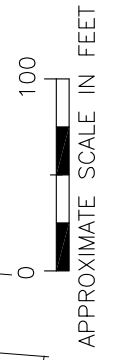
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APPROXIMATE EXTENT OF DISSOLVED GRO GROUNDWATER PLUME EXCEEDING MTCA METHOD A CLEANUP LEVEL

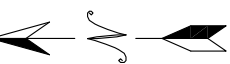
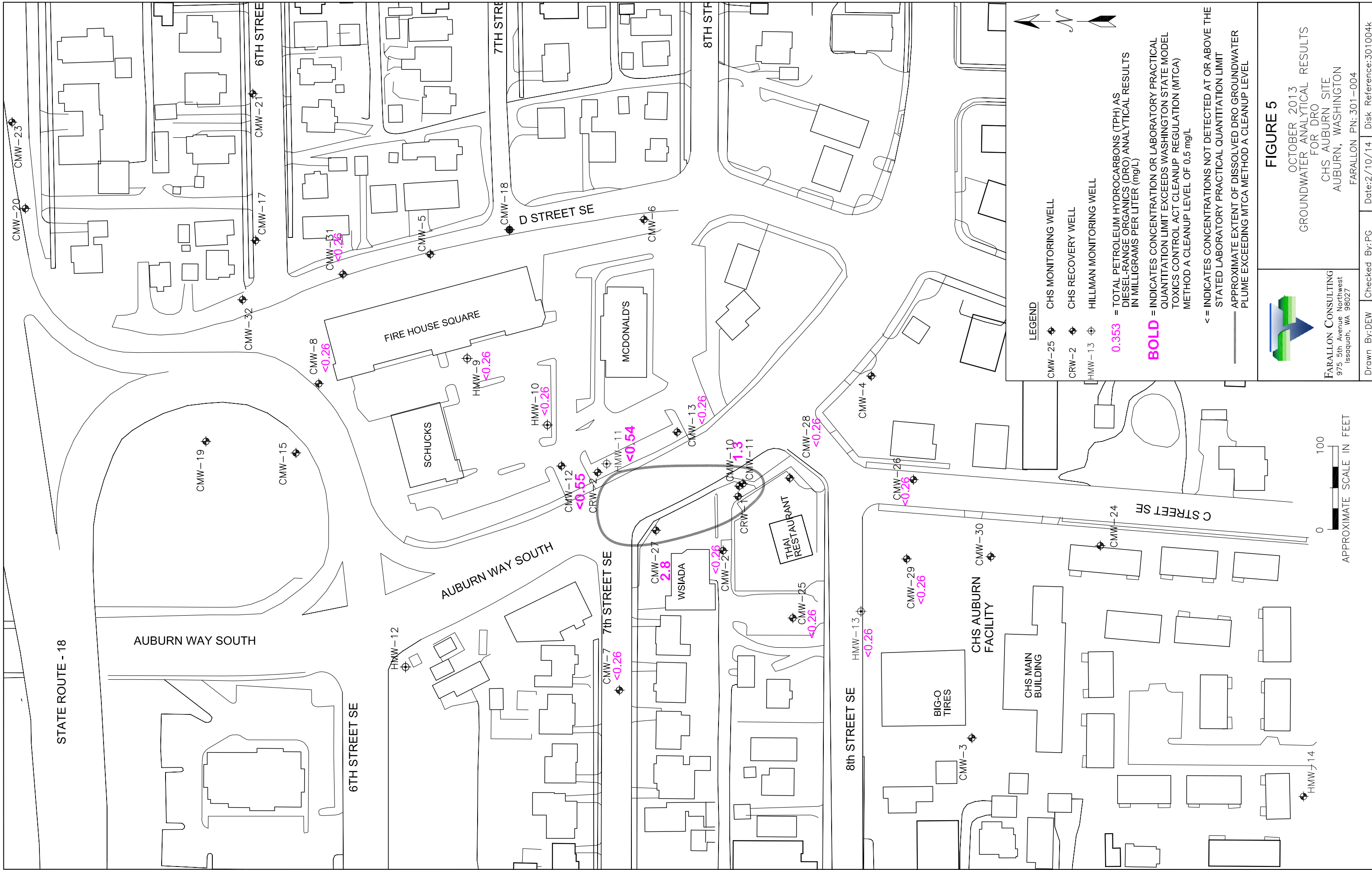
FIGURE 4

OCTOBER 2013
GROUNDWATER ANALYTICAL RESULTS
FOR GRO
CHS AUBURN SITE
AUBURN, WASHINGTON
FARALLON PN: 301-004

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Issaquah, WA 98027

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LEGEND

- CMW-25 ◈ CHS MONITORING WELL
 - CRW-2 ◈ CHS RECOVERY WELL
 - HMW-13 ◈ HILLMAN MONITORING WELL
- 0.353** = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS (DRO) ANALYTICAL RESULTS IN MILLIGRAMS PER LITER (mg/L)
- BOLD** = INDICATES CONCENTRATION OR LABORATORY PRACTICAL QUANTITATION LIMIT EXCEEDS WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCR) METHOD A CLEANUP LEVEL OF 0.5 mg/L
- < = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT
- APPROXIMATE EXTENT OF DISSOLVED DRO GROUNDWATER PLUME EXCEEDING MTCR METHOD A CLEANUP LEVEL

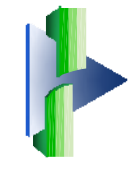


FIGURE 5

OCTOBER 2013
 GROUNDWATER ANALYTICAL RESULTS
 FOR DRO
 CHS AUBURN SITE
 AUBURN, WASHINGTON
 FARALLON PN: 301-004



TABLES

**OCTOBER 2013 GROUNDWATER MONITORING REPORT
CHS Auburn Site
Auburn, Washington**

Farallon PN: 301-004

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-2	88.9	6/16/2008	21.57	67.33
		9/30/2008	25.43	63.47
		12/29/2008	19.74	69.16
		3/18/2009	21.58	67.32
		10/27/2009	25.55	63.35
		1/28/2010	20.20	68.70
		4/19/2010	21.16	67.74
		7/19/2010	21.57	67.33
		10/20/2010	24.03	64.87
		1/24/2011	18.35	70.55
		4/25/2011	17.80	71.10
		7/18/2011	21.22	67.68
		10/20/2011	24.05	64.85
		4/26/2012	18.67	70.23
		10/31/2012	23.57	65.33
4/22/2013	18.82	70.08		
10/22/2013	21.96	66.94		
CMW-4	90.68	6/16/2008	23.17	67.51
		9/30/2008	27.19	63.49
		12/29/2008	24.36	66.32
		3/18/2009	23.23	67.45
		10/27/2009	27.25	63.43
		1/28/2010	21.81	68.87
		4/19/2010	22.78	67.90
		7/19/2010	23.21	67.47
		10/20/2010	25.67	65.01
		1/24/2011	20.00	70.68
		4/25/2011	19.45	71.23
		7/18/2011	22.94	67.74
		10/20/2011	25.70	64.98
		4/26/2012	20.35	70.33
		10/31/2012	25.21	65.47
4/22/2013	20.61	70.07		
10/22/2013	23.60	67.08		
CMW-5	89.44	6/16/2008	23.03	66.41
		9/30/2008	26.88	62.56
		12/29/2008	24.17	65.27
		3/18/2009	23.09	66.35
		10/27/2009	26.93	62.51
		1/28/2010	21.70	67.74
		4/19/2010	22.64	66.8
		7/19/2010	23.17	66.27

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-6	90.66	6/16/2008	dry	dry
		9/30/2008	dry	dry
		12/29/2008	dry	dry
		7/18/2011	23.78	66.88
		10/20/2011	dry	dry
		4/26/2012	21.20	69.46
		10/31/2012	dry	dry
		4/22/2013	21.44	69.22
		10/22/2013	24.43	66.23
CMW-7	87.73	6/16/2008	20.54	67.19
		9/30/2008	24.41	63.32
		12/29/2008	21.75	65.98
		3/18/2009	20.61	67.12
		4/19/2010	20.20	67.53
		1/24/2011	17.50	70.23
		4/25/2011	16.92	70.81
		7/18/2011	20.30	67.43
		10/20/2011	23.07	64.66
		4/26/2012	17.80	69.93
		10/31/2012	22.59	65.14
		4/22/2013	18.10	69.63
		10/22/2013	21.08	66.65
CMW-8	89.94	6/16/2008	23.58	66.36
		9/30/2008	27.40	62.54
		12/29/2008	24.70	65.24
		3/18/2009	23.61	66.33
		10/27/2009	27.50	62.44
		1/28/2010	22.25	67.69
		4/19/2010	23.23	66.71
		7/19/2010	23.69	66.25
		10/20/2010	26.00	63.94
		1/24/2011	20.32	69.62
		4/25/2011	19.91	70.03
		7/18/2011	23.35	66.59
		10/20/2011	26.04	63.90
		4/26/2012	20.79	69.15
		10/31/2012	25.58	64.36
4/22/2013	21.05	68.89		
		10/22/2013	23.97	65.97

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-10	NS	6/16/2008	22.42	NS
		9/30/2008	25.91	NS
		12/29/2008	23.20	NS
		3/18/2009	22.06	NS
		10/27/2009	26.05	NS
		1/28/2010	20.69	NS
		4/19/2010	21.64	NS
		7/19/2010	22.06	NS
		10/20/2010	24.50	NS
		1/24/2011	18.75	NS
		4/25/2011	18.25	NS
		7/18/2011	21.72	NS
		10/20/2011	24.51	NS
		4/26/2012	19.12	NS
		10/31/2012	24.02	NS
CMW-11	NS	4/22/2013	19.37	NS
		10/22/2013	22.43	NS
		6/16/2008	22.36	NS
		9/30/2008	26.24	NS
		12/29/2008	23.54	NS
		3/18/2009	22.41	NS
		10/27/2009	26.42	NS
		1/28/2010	21.02	NS
		4/19/2010	22.00	NS
		7/19/2010	22.43	NS
		10/20/2010	24.88	NS
		1/24/2011	19.20	NS
		4/25/2011	18.66	NS
7/18/2011	22.11	NS		
10/20/2011	24.87	NS		

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-12	90.02	6/16/2008	23.11	66.91
		9/30/2008	26.98	63.04
		12/29/2008	24.28	65.74
		3/18/2009	23.16	66.86
		10/27/2009	27.13	62.89
		1/28/2010	21.79	68.23
		4/19/2010	22.75	67.27
		7/19/2010	23.21	66.81
		10/20/2010	25.57	64.45
		1/24/2011	19.94	70.08
		4/25/2011	19.43	70.59
		7/18/2011	22.87	67.15
		10/20/2011	25.62	64.40
		4/26/2012	20.29	69.73
		10/31/2012	25.09	64.93
4/22/2013	20.58	69.44		
10/22/2013	23.54	66.48		
CMW-13	89.67	6/16/2008	22.69	66.98
		9/30/2008	26.57	63.10
		12/29/2008	23.85	65.82
		3/18/2009	22.74	66.93
		10/27/2009	26.71	62.96
		1/28/2010	21.35	68.32
		4/19/2010	22.27	67.40
		7/19/2010	22.75	66.92
		10/20/2010	25.16	64.51
		1/24/2011	19.50	70.17
		4/25/2011	18.97	70.70
		7/18/2011	22.45	67.22
		10/20/2011	25.20	64.47
		4/26/2012	19.85	69.82
		10/31/2012	24.69	64.98
4/22/2013	20.13	69.54		
10/22/2013	23.10	66.57		

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet) ¹	Measurement Date	Depth to Water (feet) ²	Elevation (feet) ¹
CMW-15	87.22	6/16/2008	20.76	66.46
		9/30/2008	24.58	62.64
		12/29/2008	21.89	65.33
		3/18/2009	20.79	66.43
		10/27/2009	24.69	62.53
		1/28/2010	19.45	67.77
		4/19/2010	20.36	66.86
		7/19/2010	20.86	66.36
		10/20/2010	23.17	64.05
		1/24/2011	17.58	69.64
		4/25/2011	17.12	70.10
		7/18/2011	20.46	66.76
		10/20/2011	23.25	63.97
		4/26/2012	17.96	69.26
		10/31/2012	22.75	64.47
CMW-17	88.16	6/16/2008	21.94	66.22
		9/30/2008	25.79	62.37
		12/29/2008	23.08	65.08
		3/18/2009	22.01	66.15
		1/28/2010	20.60	67.56
		4/19/2010	21.58	66.58
	NS	7/19/2010	22.07	NS
		4/25/2011	18.00	NS
		7/18/2011	21.42	NS
		10/20/2011	24.13	NS
CMW-19	88.26	9/30/2008	25.73	62.53
CMW-20	85.90	6/16/2008	21.11	64.79
		9/30/2008	23.91	61.99
		12/29/2008	21.23	64.67
		3/18/2009	20.17	65.73
CMW-21	87.48	9/30/2008	25.33	62.15

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-24	88.39	6/16/2008	20.60	67.79
		9/30/2008	24.52	63.87
		12/29/2008	21.81	66.58
		3/18/2009	20.65	67.74
		6/16/2008	22.02	66.37
		1/24/2011	17.42	70.97
		4/25/2011	16.89	71.50
		7/18/2011	20.31	68.08
		10/20/2011	23.09	65.30
CMW-25	NS	9/30/2008	25.86	NS
		12/29/2008	23.18	NS
		3/18/2009	22.03	NS
		10/27/2009	26.03	NS
		1/28/2010	20.64	NS
		4/19/2010	21.59	NS
		7/19/2010	22.00	NS
		10/20/2010	24.45	NS
		1/24/2011	18.85	NS
		4/25/2011	18.28	NS
		7/18/2011	21.71	NS
		10/20/2011	24.49	NS
		4/26/2012	19.13	NS
		10/31/2012	24.00	NS
4/22/2013	19.42	NS		
		10/22/2013	22.42	NS

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
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Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-26	87.80	6/16/2008	20.32	67.48
		9/30/2008	24.22	63.58
		12/29/2008	21.48	66.32
		3/18/2009	20.34	67.46
		10/27/2009	24.35	63.45
		1/28/2010	18.95	68.85
		4/19/2010	19.88	67.92
		7/19/2010	20.35	67.45
		10/20/2010	22.80	65.00
		1/24/2011	17.15	70.65
		4/25/2011	16.59	71.21
		7/18/2011	20.03	67.77
		10/20/2011	22.80	65.00
		4/26/2012	17.45	70.35
		10/31/2012	22.32	65.48
4/22/2013	17.72	70.08		
10/22/2013	20.73	67.07		
CMW-27	89.10	6/16/2008	21.02	68.08
		9/30/2008	25.89	63.21
		12/29/2008	23.18	65.92
		3/18/2009	22.22	66.88
		10/27/2009	26.09	63.01
		1/28/2010	20.69	68.41
		4/19/2010	21.61	67.49
		7/19/2010	22.06	67.04
		10/20/2010	24.45	64.65
		1/24/2011	18.80	70.30
		4/25/2011	18.30	70.80
		7/18/2011	21.97	67.13
		10/20/2011	24.50	64.60
		4/26/2012	19.70	69.40
		10/31/2012	24.05	65.05
4/22/2013	19.28	69.82		
10/22/2013	22.44	66.66		

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
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Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-28	89.48	6/16/2008	22.22	67.26
		9/30/2008	26.15	63.33
		12/29/2008	23.19	66.29
		3/18/2009	22.14	67.34
		10/27/2009	26.19	63.29
		1/28/2010	20.86	68.62
		4/19/2010	21.84	67.64
		7/19/2010	22.26	67.22
		10/20/2010	24.68	64.80
		1/24/2011	19.00	70.48
		4/25/2011	18.40	71.08
		7/18/2011	21.90	67.58
		10/20/2011	24.82	64.66
		4/26/2012	19.30	70.18
		10/31/2012	23.45	66.03
CMW-29	88.03	6/16/2008	20.51	67.52
		9/30/2008	24.44	63.59
		12/29/2008	21.71	66.32
		3/18/2009	20.56	67.47
		10/27/2009	24.56	63.47
		1/28/2010	19.15	68.88
		4/19/2010	20.12	67.91
		7/19/2010	20.55	67.48
		10/20/2010	23.02	65.01
		1/24/2011	17.35	70.68
		4/25/2011	16.81	71.22
		7/18/2011	20.20	67.83
		10/20/2011	23.02	65.01
		4/26/2012	17.67	70.36
		10/31/2012	22.54	65.49
4/22/2013	17.94	70.09		
10/22/2013	20.93	67.10		

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
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Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
CMW-30	87.58	6/16/2008	19.90	67.68
		9/30/2008	23.82	63.76
		12/29/2008	21.11	66.47
		3/18/2009	20.97	66.61
		10/27/2009	24.01	63.57
		1/28/2010	18.57	69.01
		4/19/2010	19.51	68.07
		7/19/2010	19.93	67.65
		10/20/2010	22.40	65.18
		1/24/2011	16.78	70.80
		4/25/2011	16.19	71.39
		7/18/2011	19.60	67.98
		10/20/2011	22.40	65.18
		4/26/2012	17.05	70.53
		10/31/2012	21.94	65.64
4/22/2013	17.34	70.24		
10/22/2013	20.32	67.26		
CMW-31	89.02	6/16/2008	22.59	66.43
		9/30/2008	26.45	62.57
		12/29/2008	23.73	65.29
		3/18/2009	22.65	66.37
		10/27/2009	26.56	62.46
		1/28/2010	21.24	67.78
		4/19/2010	22.26	66.76
		7/19/2010	22.67	66.35
		10/20/2010	24.97	64.05
		1/24/2011	19.27	69.75
		4/25/2011	18.86	70.16
		7/18/2011	22.31	66.71
		10/20/2011	25.04	63.98
		4/26/2012	19.73	69.29
		10/31/2012	24.56	64.46
4/22/2013	19.99	69.03		
10/22/2013	22.96	66.06		

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹		
CMW-32	88.12	6/16/2008	21.75	66.37		
		9/30/2008	25.61	62.51		
		12/29/2008	22.90	65.22		
		3/18/2009	21.82	66.30		
		10/27/2009	25.72	62.40		
		1/28/2010	20.40	67.72		
		4/19/2010	21.39	66.73		
	NS	7/19/2010	21.88	NS		
		1/24/2011	18.47	NS		
		4/25/2011	18.04	NS		
		7/18/2011	21.45	NS		
		10/20/2011	24.22	NS		
		HMW-9	89.07	6/16/2008	22.49	66.58
				9/30/2008	26.34	62.73
12/29/2008	23.64			65.43		
3/18/2009	22.53			66.54		
10/27/2009	26.42			62.65		
1/28/2010	21.15			67.92		
4/19/2010	22.13			66.94		
7/19/2010	22.59			66.48		
10/20/2010	24.91			64.16		
1/24/2011	19.30			69.77		
4/25/2011	18.43			70.64		
7/18/2011	22.25			66.82		
10/20/2011	24.96			64.11		
4/26/2012	19.70			69.37		
10/31/2012	24.48			64.59		
4/22/2013	19.93			69.14		
10/22/2013	22.85	66.22				

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
HMW-10	89.18	6/16/2008	22.42	66.76
		9/30/2008	26.24	62.94
		12/29/2008	23.57	65.61
		3/18/2009	22.45	66.73
		10/27/2009	26.40	62.78
		1/28/2010	21.19	67.99
		4/19/2010	21.99	67.19
		7/19/2010	22.51	66.67
		10/20/2010	24.85	64.33
		1/24/2011	19.23	69.95
		4/25/2011	18.73	70.45
		7/18/2011	22.15	67.03
		10/20/2011	24.90	64.28
		4/26/2012	19.60	69.58
		10/31/2012	24.39	64.79
HMW-11	NS	4/22/2013	19.88	69.30
		10/22/2013	22.83	66.35
		10/27/2009	24.52	NS
		1/28/2010	19.20	NS
		4/19/2010	20.16	NS
		7/19/2010	20.64	NS
		10/20/2010	22.99	NS
		1/24/2011	17.33	NS
		4/25/2011	16.83	NS
		7/18/2011	20.30	NS
		10/20/2011	23.02	NS
HMW-12	88.55	4/26/2012	17.70	NS
		10/31/2012	22.51	NS
		4/22/2013	17.99	NS
		10/22/2013	20.98	NS
		9/30/2008	25.53	63.02
		1/24/2011	18.55	70.00
		4/25/2011	18.00	70.55
		7/18/2011	21.40	67.15
		10/22/2013	NM	NM

Table 1
Summary of Groundwater Elevation Data - June 2008 through October 2013
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Farallon PN: 301-004

Well Identification	Elevation Top of Well Casing (feet)¹	Measurement Date	Depth to Water (feet)²	Elevation (feet)¹
HMW-13	88.32	6/16/2008	20.82	67.50
		9/30/2008	24.72	63.60
		12/29/2008	22.06	66.26
		3/18/2009	20.86	67.46
		10/27/2009	24.92	63.40
		1/28/2010	19.50	68.82
		4/19/2010	20.39	67.93
		7/19/2010	20.83	67.49
		10/20/2010	23.36	64.96
		1/24/2011	17.71	70.61
		4/25/2011	17.25	71.07
		7/18/2011	20.51	67.81
		10/20/2011	23.34	64.98
		4/26/2012	18.03	70.29
		10/31/2012	22.89	65.43
		4/22/2013	18.29	70.03
10/22/2013	21.28	67.04		

NOTES:

¹Elevation in feet above mean sea level.

²In feet below top of well casing.

NS = well not surveyed, groundwater elevation could not be determined

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-2	6/16/2008	13.72	6.02	54.5	0.16
	10/1/2008	16.36	6.26	44.7	0.53
	12/30/2008	10.81	7.12	97.1	11.29
	3/19/2009	12.37	6.18	39	0.71
	10/28/2009	13.62	6.43	-28.6	1.49
	1/26/2010	14.29	6.68	124.6	9.33
	4/20/2010	14.23	6.79	64.9	8.9
	7/20/2010	15.32	— ³	42.5	10.5
	10/21/2010	15.61	6.04	149.8	7.9
	1/25/2011	13.79	6.81	134.1	9.7
	4/27/2011	12.5	5.89	309.2	5.2
	7/18/2011	15.73	5.88	14.5	4.0
	10/21/2011	13.59	7.06	32.7	8.7
	4/27/2012	13.18	6.80	10.8	8.8
	10/31/2012	14.58	7.15	5.8	5.76
4/22/2013	13.13	7.60	160.3	6.33	
10/23/2013	13.40	6.92	166.8	6.54	
CMW-4	6/16/2008	15.34	6.08	138.3	4.43
	10/1/2008	17.96	6.04	209.6	3.13
	12/30/2008	11.47	6.35	124.9	4.74
	3/19/2009	12.72	6.18	203.8	3.95
	10/28/2009	12.03	6.26	351.0	5.40
	1/26/2010	12.89	6.12	365.1	4.30
	4/19/2010	14.15	6.36	284.4	4.8
	7/20/2010	15.20	5.98	111.3	4.1
	10/21/2010	14.47	5.61	210.1	3.05
	1/25/2011	12.59	6.23	170.9	5.1
	4/26/2011	14.02	6.07	168.5	4.1
	7/18/2011	13.39	6.05	17.6	3.4
	10/20/2011	15.15	6.78	23.8	2.43
	4/26/2012	—	—	—	6.1
	10/31/2012	—	—	—	4.75
4/22/2013	—	—	—	2.60	
10/22/2013	—	—	—	4.85	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-6	4/26/2012	—	—	—	2.65
	4/22/2013	—	—	—	3.93
	10/22/2013	—	—	—	0.67
CMW-7	6/17/2008	13.45	6.35	50.9	5.08
	10/1/2008	14.51	6.14	47.2	4.51
	12/30/2008	11.53	6.50	72.1	4.82
	3/19/2009	10.72	6.39	161.0	5.19
	1/24/2011	—	—	—	5.2
	4/25/2011	—	—	—	4.6
	7/18/2011	—	—	—	3.60
	4/27/2012	11.12	5.96	104.3	3.90
	10/31/2012	12.80	6.19	304.6	2.75
	4/22/2013	12.88	6.48	207.0	2.98
10/22/2013	12.39	6.02	204.5	5.14	
CMW-8	6/17/2008	15.90	6.51	9.5	0.17
	10/2/2008	13.92	6.30	132.3	0.64
	12/30/2008	10.64	6.60	68.2	0.66
	3/19/2009	10.39	6.51	30	0.72
	10/29/2009	12.09	6.48	31.3	1.18
	1/26/2010	12.37	6.45	-4.8	0.12
	4/20/2010	13.68	6.49	24.6	1.06
	7/20/2010	16.18	— ³	25.4	0.98
	10/22/2010	12.97	6.02	122.9	1.90
	1/24/2011	11.73	6.42	13.9	0.30
	4/27/2011	11.30	6.32	288.0	<0.1
	7/19/2011	14.22	6.41	-39.1	1.1
	10/21/2011	13.96	6.48	69.0	0.61
	4/26/2012	11.33	7.93	-24.9	0.34
	10/31/2012	13.05	6.39	31.6	0.85
4/22/2013	12.28	6.77	49.7	0.14	
10/23/2013	12.12	6.39	21.3	3.10	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
CHS Auburn Site
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-10	6/17/2008	15.86	6.13	-183.3	0.16
	10/1/2008	16.98	6.26	27.1	0.48
	12/30/2008	12.55	6.24	-1.8	0.68
	3/19/2009	12.75	6.25	-41	0.64
	10/28/2009	14.15	6.32	-1.6	1.16
	1/26/2010	14.24	5.90	53.4	0.19
	4/20/2010	14.70	6.05	-12.3	0.61
	7/20/2010	17.97	— ³	-33.0	0.55
	10/21/2010	15.23	5.68	125.3	1.32
	1/25/2011	14.44	5.74	155.3	0.35
	4/26/2011	3.13	— ⁴	100.7	0.18
	7/18/2011	14.85	6.01	-80.5	0.07
	10/21/2011	13.62	7.59	-140.3	0.74
	4/26/2012	12.38	6.02	89.1	2.3
	10/31/2012	14.29	6.32	49.1	0.07
4/22/2013	13.90	6.81	187.3	3.52	
10/23/2013	13.65	5.56	192.0	6.31	
CMW-12	6/17/2008	14.76	6.37	-125.3	0.62
	10/1/2008	15.77	6.23	-9.8	0.54
	12/30/2008	12.22	6.53	54.9	1.29
	3/19/2009	12.55	6.42	-12	0.53
	10/28/2009	13.05	6.42	-1.7	1.36
	1/26/2010	12.78	6.36	-89.9	1.10
	4/20/2010	14.51	6.46	66.9	0.42
	7/21/2010	15.16	6.09	9.1	0.14
	10/21/2010	13.63	6.40	105.6	0.12
	1/25/2011	12.79	6.04	28.2	0.30
	4/26/2011	15.60	6.12	14.6	<0.1
	7/19/2011	13.59	6.28	-67.2	0.37
	10/21/2011	13.37	8.00	-161.3	0.09
	4/26/2012	12.94	9.10	-123.8	0.57
	11/1/2012	13.79	6.22	-144.3	0.36
4/22/2013	14.04	6.09	-12.1	1.62	
10/23/2013	13.32	6.22	-54.2	0.25	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
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Auburn, Washington
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-13	6/17/2008	14.03	6.23	82.2	0.17
	10/1/2008	14.44	6.19	91.8	0.43
	12/30/2008	13.05	5.79	141.0	1.07
	3/19/2009	12.81	5.98	50.4	0.68
	10/29/2009	12.80	6.45	-14.8	1.43
	1/26/2010	13.79	5.81	56.4	0.25
	4/20/2010	14.30	6.40	72.1	2.19
	7/20/2010	20.00	5.79	-18.9	0.22
	10/21/2010	14.32	6.43	111.3	0.63
	1/25/2011	13.64	6.27	154.1	7.70
	4/27/2011	11.90	6.23	377.2	3.41
	7/18/2011	13.17	6.27	-33.1	1.30
	10/20/2011	14.09	6.29	46.9	0.06
	4/26/2012	11.61	7.52	-41.0	1.33
	10/31/2012	13.33	5.81	-52.0	1.97
4/22/2013	20.11	3.16	120.0	0.17	
10/22/2013	14.65	5.53	73.8	5.55	
CMW-15	6/17/2008	12.46	6.37	46.7	0.17
	10/2/2008	13.07	6.21	65.1	0.90
	12/30/2008	11.56	6.40	83.1	0.70
	3/19/2009	10.81	6.26	61	1.61
	10/29/2009	11.84	6.30	58.6	1.66
	1/26/2010	12.29	6.23	35.4	0.15
	4/20/2010	12.64	6.45	127.6	0.92
	7/20/2010	14.46	— ³	33.1	0.75
	10/22/2010	13.35	5.59	167.5	0.65
	1/25/2011	12.27	5.68	387.6	0.35
	4/27/2011	10.96	6.19	336.0	0.11
	7/19/2011	12.94	6.21	14.0	0.10
	10/21/2011	12.56	6.24	87.4	0.17
	4/26/2012	—	—	—	0.08
	10/31/2012	—	—	—	0.25
4/22/2013	—	—	—	0.19	
10/22/2013	—	—	—	2.41	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-25	6/16/2008	16.57	5.97	160.7	4.80
	10/1/2008	14.32	6.15	49.9	0.53
	12/30/2008	12.08	6.04	135.3	3.70
	3/19/2009	12.68	6.03	91.3	0.75
	10/28/2009	12.45	6.32	42.7	1.47
	1/26/2010	13.42	5.89	358.1	5.10
	4/20/2010	13.35	6.25	262.4	7.3
	7/20/2010	15.47	5.23	105.7	6.3
	10/21/2010	13.14	6.14	223.9	0.18
	1/25/2011	13.12	5.94	174.9	7.1
	4/26/2011	11.94	5.88	184.2	4.5
	7/18/2011	13.68	6.07	17.9	4.1
	10/21/2011	12.80	6.14	154.7	0.73
	4/27/2012	12.25	6.60	15.7	4.5
	10/31/2012	12.67	6.36	88.8	0.12
4/22/2013	13.64	6.23	193.8	2.68	
10/22/2013	12.69	6.01	189.3	5.64	
CMW-26	6/16/2008	15.32	6.29	111.7	3.79
	10/1/2008	14.09	6.14	84.7	4.47
	12/30/2008	11.84	6.30	203.4	3.71
	3/19/2009	11.88	6.32	170.1	4.75
	10/28/2009	12.16	6.31	344.2	4.08
	1/26/2010	12.46	6.16	352.9	3.90
	4/20/2010	13.14	6.49	272.0	4.30
	7/20/2010	14.40	6.03	92.8	4.10
	10/21/2010	12.30	6.37	186.8	4.00
	1/25/2011	11.97	6.30	169.9	5.60
	4/26/2011	13.07	6.20	108.6	4.90
	7/18/2011	13.77	6.32	38.8	3.65
	10/20/2011	12.93	6.61	27.8	3.51
	4/27/2012	11.33	6.04	104.2	4.7
	10/31/2012	12.61	5.70	323.0	2.52
4/22/2013	13.54	6.49	242.1	2.56	
10/22/2013	12.50	6.08	239.7	2.15	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-27	6/17/2008	16.53	6.44	-12.4	0.17
	10/1/2008	15.53	6.26	10.3	0.51
	12/30/2008	13.08	6.59	70.2	0.64
	3/19/2009	12.39	6.46	-48	0.58
	10/28/2009	13.58	6.48	-29.1	1.45
	1/26/2010	13.8	6.39	-132.2	5.17
	4/20/2010	14.35	6.47	-34.6	0.53
	7/21/2010	15.16	— ³	-14.5	0.87
	10/21/2010	14.97	6.50	95.1	0.12
	1/25/2011	14.35	6.18	154.9	4.90
	4/26/2011	13.4	— ⁴	75.6	0.26
	7/18/2011	15.45	6.01	-51.9	0.15
	10/21/2011	13.62	7.69	-144.9	0.00
	4/27/2012	12.78	5.19	-81.3	1.51
	10/31/2012	14.22	6.35	-126.7	0.06
4/22/2013	13.70	6.07	3.6	0.19	
10/23/2001	14.00	5.99	6.8	1.59	
CMW-28	6/16/2008	15.93	6.31	-19.7	0.16
	10/1/2008	18.34	5.98	46.2	0.50
	12/30/2008	6.96	6.16	44.0	0.81
	3/19/2009	9.11	6.15	167.5	3.40
	10/28/2009	14.97	5.59	179.3	1.36
	1/26/2010	8.89	5.86	176.7	8.33
	4/20/2010	11.37	5.96	307.3	6.4
	7/20/2010	16.44	— ³	36.8	0.36
	10/21/2010	17.04	5.77	194.1	<0.1
	1/25/2011	7.05	5.74	165.3	9.91
	4/26/2011	10.54	5.92	361.8	7.60
	7/18/2011	16.69	5.66	5.2	5.0
	10/20/2011	14.46	5.61	7.9	0.32
	4/27/2012	9.92	5.73	80.2	8.3
	11/1/2012	15.34	5.94	93.8	1.51
4/22/2013	11.73	6.21	183.3	5.92	
10/23/2013	14.78	5.46	170.3	6.07	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-29	6/17/2008	14.81	6.06	34.5	0.21
	10/1/2008	13.76	6.27	32.9	0.64
	12/30/2008	11.63	6.22	15.8	1.04
	3/19/2009	11.73	6.04	98.1	1.24
	10/28/2009	12.22	6.26	77.3	1.57
	1/27/2010	12.44	5.38	205.5	1.25
	4/20/2010	13.74	6.32	226.3	6.0
	7/20/2010	13.59	5.75	74.6	0.54
	10/21/2010	12.17	5.74	59.8	1.94
	1/25/2011	13.20	5.93	109.5	2.19
	4/26/2011	12.13	5.93	135.7	1.15
	7/18/2011	13.54	5.97	-4.9	1.55
	10/20/2011	13.00	6.46	21.9	1.08
	4/26/2012	12.80	8.53	-47.0	0.63
	10/31/2012	12.88	6.11	333.1	0.11
4/22/2013	12.98	6.27	175.4	0.20	
10/22/2013	13.12	5.85	162.5	0.36	
CMW-30	3/19/2009	11.65	6.27	191.0	1.14
	10/28/2009	11.99	6.18	344.2	1.96
	1/27/2010	12.35	5.99	313.2	1.21
	4/20/2010	13.35	6.36	299.9	0.14
	7/20/2010	13.92	5.58	140.7	0.06
	10/21/2010	13.10	5.70	196.6	0.08
	1/25/2011	12.89	6.17	130.0	1.01
	4/26/2011	12.05	6.05	57.8	1.03
	7/19/2011	13.27	6.30	-1.0	0.05
	10/20/2011	13.24	6.51	22.2	0.00
	4/26/2012	—	—	—	0.35
	10/31/2012	—	—	—	1.15
	4/22/2013	—	—	—	0.06
10/22/2013	—	—	—	0.06	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
CMW-31	6/16/2008	14.08	6.22	124.8	0.73
	10/2/2008	14.01	6.29	60.8	0.50
	12/31/2008	10.89	6.32	155.4	5.14
	3/20/2009	11.63	6.16	211.6	2.59
	10/29/2009	12.28	6.50	62.4	2.32
	1/27/2010	11.57	6.07	147.5	1.55
	4/20/2010	12.99	6.20	169.8	0.92
	7/20/2010	15.15	5.61	130.1	0.93
	10/22/2010	13.38	5.99	145.1	1.19
	1/25/2011	12.20	5.86	396.9	2.80
	4/26/2011	13.13	5.97	402.8	0.73
	7/19/2011	13.46	6.23	43.5	0.10
	10/20/2011	13.59	6.23	184.3	0.61
	4/26/2012	12.33	5.99	32.4	0.64
	10/31/2012	12.86	5.33	91.3	3.81
4/22/2013	20.43	5.27	175.0	0.71	
10/22/2013	13.35	5.88	82.6	1.70	
HMW-9	6/17/2008	15.16	6.43	8.5	0.68
	10/2/2008	14.13	6.36	45.2	0.54
	12/31/2008	11.98	6.40	3.7	0.71
	3/19/2009	12.88	6.29	42	0.61
	10/29/2009	13.22	6.39	39.7	1.15
	1/26/2010	12.22	6.39	-41.6	0.09
	4/20/2010	14.61	6.48	73.9	0.86
	7/20/2010	15.18	— ³	22.7	1.01
	10/22/2010	13.61	6.28	101.7	0.45
	1/25/2011	13.11	6.10	144.0	3.70
	4/26/2011	13.91	6.24	99.5	<0.1
	7/19/2011	13.93	6.20	-22.2	0.6
	10/20/2011	14.28	6.30	72.0	0.37
	4/26/2012	13.64	8.53	-76.9	0.10
	10/31/2012	13.61	6.16	-54.2	1.02
4/22/2013	12.18	6.23	-18.6	0.04	
10/23/2013	13.13	6.28	7.0	0.09	

Table 2
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
HMW-10	6/17/2008	15.06	6.45	-4.0	0.60
	10/2/2008	14.72	6.30	72.9	0.70
	12/31/2008	10.97	6.43	-14.2	0.83
	3/19/2009	12.98	6.45	-25	0.58
	10/29/2009	12.12	6.46	6.7	1.20
	1/26/2010	12.15	6.42	-80.4	0.09
	4/20/2010	14.38	6.41	68.6	0.62
	7/20/2010	14.70	— ³	-14.2	0.67
	10/21/2010	13.95	5.84	124.0	0.36
	1/25/2011	12.71	6.10	149.3	0.50
	4/26/2011	14.49	6.15	114.5	<0.1
	7/19/2011	13.62	6.30	-70.5	1.0
	10/21/2011	13.24	6.33	80.9	0.46
	4/26/2012	12.90	6.51	-78.8	0.44
	11/1/2012	13.14	6.06	-84.5	1.03
4/22/2013	19.27	3.01	133.0	0.07	
10/22/2013	14.04	6.25	-38.9	0.06	
HMW-11	6/17/2008	14.44	6.38	13.2	0.15
	10/1/2008	14.71	6.18	40.0	0.50
	12/31/2008	11.04	6.38	-17.1	1.20
	3/20/2009	11.71	5.70	53	0.62
	10/28/2009	12.89	6.39	11.7	1.16
	1/26/2010	13.25	6.19	44.5	0.37
	4/20/2010	14.00	6.41	85.7	1.89
	7/20/2010	17.71	6.10	-19.1	0.98
	10/21/2010	14.01	5.79	128.2	0.43
	1/25/2011	13.08	5.77	197.9	1.10
	4/27/2011	13.08	6.02	380.4	<0.1
	7/19/2011	13.36	6.39	-55.4	1.0
	10/21/2011	13.18	6.36	72.5	0.56
	4/26/2012	12.25	7.62	67.7	0.49
	11/1/2012	13.66	6.19	-70.7	0.10
4/22/2013	12.65	5.89	90.2	0.85	
10/23/2013	13.76	6.19	-12.6	0.08	

Table 2
Summary of Groundwater Geochemical Data - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
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Sample Location	Date¹	Temperature² (°Celsius)	pH²	ORP² (millivolts)	Dissolved Oxygen¹ (milligrams per liter)
HMW-13	6/16/2008	18.52	6.07	114.6	0.74
	10/1/2008	15.26	6.19	61.5	0.55
	12/30/2008	11.54	6.09	127.8	1.19
	3/19/2009	12.66	6.03	184.3	1.11
	10/28/2009	12.38	6.29	103.1	1.49
	1/26/2010	12.42	5.95	330.9	0.20
	4/20/2010	14.52	6.31	201.9	0.56
	7/20/2010	15.08	5.95	81.1	0.23
	10/21/2010	13.17	5.48	211.8	0.35
	1/25/2011	12.71	6.04	176.2	6.9
	4/26/2011	12.42	5.95	188.6	0.59
	7/18/2011	14.39	6.13	5.7	1.6
	10/21/2011	12.66	6.10	27.0	0.20
	4/26/2012	12.05	6.30	52.6	0.94
	11/1/2012	13.27	6.09	73.3	0.26
4/22/2013	13.97	6.30	233.0	0.11	
10/23/2013	12.37	5.86	233.5	4.40	

NOTES:

¹Date shown represents date of groundwater sample collection. Dissolved oxygen measurements are typically collected 1 to 2 days prior using a dissolved oxygen analyzer with a down-hole probe.

²Temperature, pH, and oxidation-reduction potential (ORP) measured using YSI multi-parameter water quality analyzer.

³Not measured due to malfunctioning pH meter.

⁴pH readings did not stabilize.

⁵Well paved over on October 20, 2010, uncovered October 22, 2010.

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-2	CMW2-061708	6/17/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW2-100108	10/1/2008	0.44	0.85	<400	<4.0	<4.0	<4.0	<8.0
	CMW2-123008	12/30/2008	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW2-031909	3/19/2009	0.35	<0.43	<100	<1.0	<1.0	<1.0	1.6
	CMW2-102809	10/28/2009	<0.25	<0.40	240	2.0	1.2	<1.0	2.0
	CMW2-012610	1/26/2010	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW2-042010	4/20/2010	0.28	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW2-072010	7/20/2010	0.92	<0.67¹¹	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-102110	10/21/2010	0.63	<0.44	<100	<1.0	<1.0	1.1	1.5
	CMW-2-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW2-042711	4/27/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-071811	7/18/2011	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-102111	10/21/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-042712	4/27/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-110112	11/1/2012	0.44	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-042313	4/23/2013	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
CMW-2-102313	10/23/2013	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-4	CMW4-061608	6/16/2008	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW4-100108	10/1/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW4-123008	12/30/2008	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW4-031909	3/19/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW4-102809	10/28/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW4-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW4-042010	4/20/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW-4-072010	7/20/2010	<0.31	<0.49	<100	<1.0	<1.0	<1.0	<2.0
	CMW-4-102110	10/21/2010	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-4-012511	1/25/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-4-042611	4/26/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-4-071911	7/19/2011	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
CMW-4-102011	10/20/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
CMW-5	CMW5-061608	6/16/2008	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW5-100208	10/2/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW5-123108	12/31/2008	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW5-032009	3/20/2009	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW5-102909	10/29/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW5-012710	1/27/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW5-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-5-072010	7/20/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-7	CMW7-061708	6/17/2008	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW7-100108	10/1/2008	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW7-123008	12/30/2008	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW7-031909	3/19/2009	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-7-042712	4/27/2012	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-7-102112	10/31/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-7-042213	4/22/2013	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-7-102213	10/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-8	CMW8-061708	6/17/2008	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	BAIL2-061708 ⁶	6/17/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW8-100208	10/2/2008	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW8-123008	12/30/2008	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW8-031909	3/19/2009	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW8-102909	10/29/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW8-012610	1/26/2010	<0.26	<0.42	<100	<1.0	<1.0	<1.0	2.6
	CMW8-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW8-072010	7/20/2010	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-102210	10/22/2010	<0.29	<0.47	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-012411	1/24/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-042711	4/27/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-071911	7/19/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW8-102111	10/21/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-042612	4/26/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-110112	11/1/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-8-042313	4/23/2013	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0	
	CMW-8-102313	10/23/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-10	CMW10-061708	6/17/2008	1.9	<0.41	1,300 ⁵	<4.0	<4.0	12	179
	CMW10-061708 ⁴	6/17/2008	2.0	<0.40	1,300 ⁵	<4.0	<4.0	12	181
	BAIL1-061708 ⁶	6/17/2008	92	<7.0	4,600 ⁵	<4.0	6.9	31	540
	CMW10-061708 ⁷	6/17/2008	11.2	<2.53	61.0	<0.500	<0.500	0.618	9.80
	CMW10-100108	10/1/2008	0.74	<0.40	3,500	1.9	4.8	64	750
	CMW10-123008	12/30/2008	1.1 ⁸	<0.40	6,100	4.1	5.3	140	1,290
	CMW10-031909	3/19/2009	1.3 ⁸	<0.46	1,600 ⁵	<4.0	<4.0	13	204
	CMW10-102809	10/28/2009	0.78 ⁸	<0.40	8,100	2.7	2.9	140	1,440
	QAQC-102809 ⁴	10/28/2009	5.5 ⁸	0.76 ¹⁰	8,400	2.8	3.1	150	1,570
	CMW10-012610	1/26/2010	5.8	<0.65 ¹¹	1,100 ⁵	<1.0	<1.0	3.5	76
	QAQC-1-012610 ⁴	1/26/2010	5.6	<0.63 ¹¹	1,200 ⁵	<1.0	<1.0	3.7	74
	CMW10-042010	4/20/2010	2.7 ⁸	<0.41	560 ⁵	<1.0	<1.0	<1.0	19.3
	QA/QC-1-042010 ⁴	4/20/2010	2.2 ⁸	<0.41	660 ⁵	<4.0	<4.0	<4.0	12
	CMW10-072010	7/20/2010	2.3	<0.57 ¹¹	740 ⁵	<1.0	<1.0	1.2	67
	CMW-10-102110	10/21/2010	2.6 ⁸	<0.47	7,200	<4.0	<4.0	10	1,430
	CMW-10-012511	1/25/2011	0.79	<0.42	<400	<4.0	<4.0	<4.0	<8.0
	CMW-10-042611	4/26/2011	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW-10-071811	7/18/2011	1.2	<0.42	<400	<4.0	<4.0	<4.0	<8.0
	CMW-10-102111	10/21/2011	1.4 ⁸	<0.41	3,600	<4.0	<4.0	9.6	610
	CMW-10-042712	4/27/2012	0.33	<0.43	<100	<1.0	<1.0	<1.0	<2.0
CMW-10-110112	11/1/2012	0.67 ⁸	<0.41	840	1.7	<1.0	1.3	55	
CMW-10-042313	4/23/2013	0.30	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
CMW-10-1023013	10/23/2013	1.3	<0.42	260 ⁵	<1.0	<1.0	<1.0	6.9	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-11	CMW11-061708	6/17/2008	<0.27	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW11-100108	10/1/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW11-123008	12/30/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW11-031909	3/19/2009	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW11-102809	10/28/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW11-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW11-042010	4/20/2010	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW11-072010	7/20/2010	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-11-102110	10/21/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW-11-042711	1/25/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-11-012512	4/27/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-11-071811	7/18/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-11-102111	10/21/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCNA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
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Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-12	CMW12-061708	6/17/2008	<0.25	<0.40	780	21	<4.0	15	11
	CMW12-100108	10/1/2008	<0.40	<0.41	800	18	<4.0	24	8.4
	QA/QC-1-100108 ⁴	10/1/2008	<0.45	<0.41	820	17	<1.0	23	7.7
	CMW12-123008	12/30/2008	<0.26	<0.42	890	19	<1.0	28	14
	CMW12-031909	3/19/2009	<0.28	<0.44	980	25	<4.0	26	20
	CMW12-102809	10/28/2009	1.3	<0.40	440	7.2	<1.0	1.4	<2.0
	QAQC3-102809 ⁴	10/28/2009	1.4	0.41 ¹⁰	460	7.4	<1.0	1.4	<2.0
	CMW12-012610	1/26/2010	<0.39 ¹¹	<0.43	980	8.5	<1.0	12	4.3
	CMW12-042010	4/20/2010	<0.61 ¹¹	<0.43	1,200	12	<4.0	17	14
	CMW12-072110	7/21/2010	<0.44 ¹¹	<0.45	1,300 ⁵	13	<1.0	25	16.2
	Dup-CMW12-072110 ⁴	7/21/2010	<0.49 ¹¹	<0.44	1,300 ⁵	13	<1.0	26	15
	CMW-12-102110	10/21/2010	<0.36 ¹¹	<0.41	660	7.6	<1.0	4.6	2.6
	dup-CMW-12-102110 ⁴	10/21/2010	<0.46 ¹¹	<0.43	610	7.1	<1.0	5.1	2.4
	CMW-12-012511	1/25/2011	<0.48 ¹¹	<0.41	1,100	6.2	<4.0	<4.0	4.4
	QA/QC-2-012511 ⁴	1/25/2011	<0.48 ¹¹	<0.41	1,100	6.4	<4.0	<4.0	4.2
	CMW12-042611	4/26/2011	<0.62 ¹¹	<0.41	1,500	9.7	<4.0	15	8.4
	QA/QC-1-042611 ⁴	4/26/2011	<0.63 ¹¹	<0.41	1,500	9.1	<4.0	15	8.1
	CMW-12-071911	7/19/2011	<0.73 ¹¹	<0.43	1,600	11	<1.0	11	11
	CMW-12-102111	10/21/2011	<0.41 ¹¹	<0.42	780	5.4	<1.0	1.6	1.2
	DUP-2-102111 ⁴	10/21/2011	<0.42 ¹¹	<0.41	750	5.4	<1.0	1.5	1.2
	CMW-12-042612	4/26/2012	<0.90 ¹¹	<0.44	1,600	7.1	1.1	6.4	14
	QA/QC-1-042612 ⁴	4/26/2012	<0.84 ¹¹	<0.44	1,600	7.1	1.2	6.5	13
	CMW-12-110112	11/1/2012	0.56 ⁸	<0.41	850	4.7	<1.0	<1.0	1.5
	DUP1-110112 ⁴	11/1/2012	0.46 ⁸	<0.41	890	5.1	<1.0	<1.0	2.0
CMW-12-042313	4/23/2013	<0.60 ¹¹	<0.43	390	2.6	<1.0	<1.0	1.6	
DUP1-042313 ⁴	4/23/2013	<0.52 ¹¹	<0.43	390	2.1	<1.0	<1.0	1.5	
CMW-12-102313	10/23/2013	<0.55 ¹¹	<0.41	740	3.1	<1.0	<1.0	<2.0	
DUP2-102313 ⁴	10/23/2013	<0.48 ¹¹	<0.41	790	3.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-13	CMW13-061708	6/17/2008	<0.26	<0.41	<100	1.1	<1.0	<1.0	<2.0
	CMW13-100108	10/1/2008	<0.55	<0.43	1,000	<4.0	<4.0	21	11
	CMW13-123008	12/30/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW13-031909	3/19/2009	<0.25	<0.40	<100	1.2	<1.0	<1.0	<2.0
	CMW13-102909	10/29/2009	1.6	<0.40	860	2.2	<1.0	1.3	<1.0
	CMW13-012609	1/26/2009	<0.27	<0.43	110	<1.0	<1.0	<1.0	<2.0
	CMW13-042010	4/20/2010	<0.26	<0.41	120	<1.0	<1.0	2.7	<2.0
	CMW-13-072010	7/20/2010	<0.28	<0.45	140	<1.0	<1.0	2.6	<2.0
	CMW-13-102110	10/21/2010	<0.60¹¹	<0.43	840	2.2	<1.0	5.5	4.5
	CMW-13-012511	1/25/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW13-042711	4/27/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-071911	7/19/2011	<0.31	<0.50	130	<1.0	<1.0	<1.0	<2.0
	CMW13-102011	10/20/2011	<0.30	<0.46	460	1.7	<1.0	<1.0	<2.0
	CMW-13-042612	4/26/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-110112	11/1/2012	<0.26	<0.42	170	<1.0	<1.0	<1.0	<2.0
	CMW-13-042213	4/22/2013	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
CMW-13-102213	10/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
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CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-15	CMW15-061708	6/17/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW15-100208	10/2/2008	<0.25	<0.40	<400	<4.0	<4.0	<4.0	<8.0
	CMW15-123008	12/30/2008	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<1.0
	CMW15-031909	3/19/2009	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<1.0
	CMW15-102909	10/29/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<1.0
	CMW15-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<1.0
	CMW15-042010	4/20/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<1.0
	CMW15-072010	7/20/2010	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-15-102210	10/22/2010	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-15-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW15-042711	4/27/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-15-071911	7/19/2011	<0.29	<0.47	<100	<1.0	<1.0	<1.0	<2.0
CMW15-102111	10/21/2011	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0	
CMW-17	CMW17-061708	6/17/2008	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW17-100208	10/2/2008	<0.28	<0.45	<400	<4.0	<4.0	<4.0	<8.0
	CMW17-123108	12/31/2008	<0.30	<0.48	<100	<1.0	<1.0	<1.0	<2.0
	CMW17-032009	3/20/2009	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW17-012710	1/27/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW17-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-17-072010	7/20/2010	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW17-042611	4/26/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-17-071911	7/19/2011	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW17-102011	10/20/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-19	CMW19-100208	10/2/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
CMW-20	CMW20-061708	6/17/2008	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW20-100208	10/2/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW20-123108	12/31/2008	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW20-032009	3/20/2009	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
CMW-21	CMW21-100208	10/2/2008	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-24	CMW24-061708	6/17/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW24-100108	10/1/2008	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW24-123008	12/30/2008	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW24-031909	3/19/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
CMW-25	CMW25-061608	6/16/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW25-100108	10/1/2008	<0.25	<0.40	<400	<4.0	<4.0	<4.0	<8.0
	CMW25-123008	12/30/2008	<0.33	<0.52	<100	<1.0	<1.0	<1.0	<2.0
	CMW25-031909	3/19/2009	<0.25	<0.40	130	<1.0	<1.0	<1.0	<2.0
	CMW25-102809	10/28/2009	0.29	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW25-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW25-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-072010	7/20/2010	<0.28	<0.45	120	<1.0	<1.0	<1.0	<2.0
	CMW-25-102110	10/21/2010	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-012511	1/25/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	1.6
	CMW-25-042611	4/26/2011	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-071811	7/18/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW25-102111	10/21/2011	<0.28	<0.45	110	<1.0	<1.0	<1.0	<2.0
	CMW-25-042712	4/27/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-110112	11/1/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-25-042213	4/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
CMW-25-102213	10/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-26	CMW26-061608	6/16/2008	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW26-100108	10/1/2008	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW26-123008	12/30/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW26-031909	3/19/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW26-102809	10/28/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW26-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW26-042010	4/20/2010	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-072010	7/20/2010	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-102110	10/21/2010	<0.29	<0.47	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-042611	4/26/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-071811	7/18/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-102011	10/20/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-042712	4/27/2012	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-103112	10/31/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-042213	4/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-26-102213	10/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-27	CMW27-061708	6/17/2008	1.0	<0.40	2,300	33	<4.0	110	211
	CMW27-061708 ⁴	6/17/2008	1.1	<0.40	2,300	35	<4.0	110	200
	CMW27-061708 ⁷	6/17/2008	2.91	0.570	2,600	25.5	1.22	143	289
	CMW27-100108	10/1/2008	<0.75	<0.40	2,600	37	<4.0	100	273
	QA/QC-2-100108 ⁴	10/1/2008	<0.65	<0.40	2,600	35	<1.0	99	271
	CMW27-123008	12/30/2008	0.64 ⁸	<0.44	2,400	34	<4.0	64	243
	QA/QC-2-123008 ⁴	12/30/2008	0.66 ⁸	<0.44	2,500	32	<1.0	74	273
	CMW27-031909	3/19/2009	<0.27	<0.43	4,000	49	<10.0	170	41.5
	QAQC1-031909 ⁴	3/19/2009	<0.25	<0.40	4,200	48	<4.0	170	424
	CMW27-102809	10/28/2009	2.3 ⁸	0.43 ¹⁰	3,700	32	1.6	180	354
	QAQC2-102809 ⁴	10/28/2009	2.6 ⁸	0.50 ¹⁰	3,900	32	1.6	160	304
	CMW27-012610	1/26/2010	0.93 ⁸	<0.41	4,500 ⁵	25	1.4	100	180
	QAQC-2-012610 ⁴	1/26/2010	1.0 ⁸	<0.40	4,000 ⁵	24	1.4	100	179.7
	CMW27-042010	4/20/2010	2.5 ⁸	<0.41	2,300	28	<4.0	84	88
QA/QC-2-042010 ⁴	4/20/2010	3.0 ⁸	<0.41	2,400	26	<4.0	87	94	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-27	CMW27-072110	7/21/2010	3.8 ⁸	<0.61 ¹¹	2,800	36	<4.0	150	150
	Dup-CMW27-072110 ⁴	7/21/2010	2.2 ⁸	<0.42	2,900	37	<4.0	150	150
	CMW-27-102110	10/21/2010	1.5 ⁸	<0.43	1,400	23	<4.0	69	41
	dup-CMW-27-102110 ⁴	10/21/2010	1.4 ⁸	<0.43	1,400	23	<4.0	70	42
	CMW-27-012511	1/25/2011	2.9 ⁸	<0.41	4,800	<4.0	<4.0	53	413
	CMW-27-042611	4/26/2011	1.1 ⁸	<0.41	2,100	<4.0	<4.0	20	122
	QA/QC-2-042611 ⁴	4/26/2011	0.96 ⁸	<0.44	2,100	<4.0	<4.0	21	133
	CMW-27-071811	7/18/2011	5.0 ⁸	<0.46	9,100	37	<10	390	999
	QA/QC-1-071811 ⁴	7/18/2011	4.1 ⁸	<0.43	6,300	25	<10	220	550
	CMW-27-102111	10/21/2011	2.3 ⁸	<0.41	1,700	13	<4.0	41	32
	DUP-1-102111 ⁴	10/21/2011	2.2 ⁸	<0.42	1,700	13	<4.0	42	33
	CMW-27-042712	4/27/2012	4.4 ⁸	<0.41	5,100 ⁵	<4.0	<4.0	59	355
	QA/QC-2-042712 ⁴	4/27/2012	6.9 ⁸	<0.57 ¹¹	5,100 ⁵	<4.0	<4.0	66	356
	CMW-27-110112	11/1/2012	2.4 ⁸	<0.41	3,300 ⁵	8.6	<1.0	58	128.6
	DUP2-110112 ⁴	11/1/2012	3.0 ⁸	<0.41	3,400 ⁵	8.5	<1.0	168	8.7
	CMW-27-042313	4/23/2013	4.0 ⁸	<0.43	1,900	<1.0	<1.0	25	149.2
	DUP2-042313 ⁴	4/23/2013	2.9 ⁸	<0.45	1,800	<1.0	<1.0	27	139.5
	CMW-27-102313	10/23/2013	2.8 ⁸	<0.41	2,200 ⁵	4.3	<1.0	32	60.1
DUP-1-102313 ⁴	10/23/2013	2.6 ⁸	<0.42	2,100 ⁵	4.5	<1.0	32	61.2	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-28	CMW28-061608	6/16/2008	0.54	<0.40	120 ⁵	<1.0	<1.0	3.0	12.1
	CMW28-100108	10/1/2008	0.6⁸	<0.40	1,900	<4.0	<4.0	39	141
	CMW28-123008	12/30/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	QA/QC-1-123008 ⁴	12/30/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW28-031909	3/19/2009	0.28	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW28-102809	10/28/2009	3.2	0.59¹⁰	<100	<1.0	<1.0	<1.0	1.7
	CMW28-012610	1/26/2010	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW28-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW28-072010	7/20/2010	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-102110	10/21/2010	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-012511	1/25/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW28-042611	4/26/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-071811	7/18/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-102011	10/20/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-042712	4/27/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-110112	11/1/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-28-042313	4/23/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
CMW-28-102313	10/23/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-29	CMW29-061708	6/17/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW29-100108	10/1/2008	0.31	<0.40	<400	<4.0	<4.0	<4.0	<8.0
	CMW29-123008	12/30/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW29-031909	3/19/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW29-102809	10/28/2009	0.44	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW29-012710	1/27/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW29-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-072010	7/20/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-102110	10/21/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-012511	1/25/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-042611	4/26/2011	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-071811	7/18/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-102011	10/20/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-042612	4/26/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-103112	10/31/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-042313	4/23/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-29-102213	10/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-30	CMW30-061608	6/16/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-100108	10/1/2008	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-123008	12/30/2008	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-031909	3/19/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-102809	10/28/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-042010	4/20/2010	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-072010	7/20/2010	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-102110	10/21/2010	<0.30	<0.47	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-042611	4/26/2011	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-071911	7/19/2011	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW-30-102011	10/20/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCNA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-31	CMW31-061608	6/16/2008	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-100208	10/2/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-123108	12/31/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-032009	3/20/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-102909	10/29/2009	0.53	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-012710	1/27/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-072010	7/20/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-102210	10/22/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-042611	4/26/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-071911	7/19/2011	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-102011	10/20/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-042612	4/26/2012	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-110112	11/1/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-042213	4/22/2013	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
CMW-31-102213	10/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
CMW-32	CMW32-061708	6/17/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW32-100208	10/2/2008	<0.25	<0.40	<400	<4.0	<4.0	<4.0	<8.0
	CMW32-123108	12/31/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW32-032009	3/20/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW32-102909	10/29/2009	0.58	<0.4	<100	<1.0	<1.0	<1.0	<2.0
	CMW32-012710	1/27/2010	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW32-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-32-072010	7/20/2010	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW-32-102210	10/22/2010	<0.28	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW-32-012511	1/25/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW32-042611	4/26/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-32-071911	7/19/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
CMW32-102011	10/20/2011	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0	
MTCNA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
HMW-9	HMW9-061708	6/17/2008	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-100208	10/2/2008	<0.25	<0.40	<400	<4.0	<4.0	<4.0	<8.0
	HMW9-123108	12/31/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-031909	3/19/2009	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-102909	10/29/2009	0.62	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-012610	1/26/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-042010	4/20/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-072010	7/20/2010	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-102210	10/22/2010	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-042611	4/26/2011	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-071911	7/19/2011	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	HMW9-102011	10/20/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-042612	4/26/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-110112	11/1/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-042313	4/23/2013	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
HMW-9-102313	10/23/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
HMW-10	HMW10-061708	6/17/2008	0.27	<0.41	<100	2.9	<1.0	<1.0	<2.0
	HMW10-100208	10/2/2008	<0.28	<0.44	240	3.1	<1.0	<1.0	<2.0
	HMW10-123108	12/31/2008	<0.25	<0.40	<400	<4.0	<4.0	<4.0	<8.0
	HMW10-031909	3/19/2009	<0.27	<0.43	250	4.1	<1.0	<1.0	<1.0
	HMW10-102909	10/29/2009	1.1	<0.40	220	2.6	<1.0	<1.0	<2.0
	HMW10-012610	1/26/2010	<0.25	<0.40	210	2.3	<1.0	<1.0	<2.0
	HMW10-042010	4/20/2010	<0.26	<0.42	210	2.4	<1.0	<1.0	<2.0
	HMW10-072010	7/20/2010	<0.28	<0.44	240	2.3	<1.0	<1.0	<2.0
	HMW-10-102110	10/21/2010	<0.29	<0.47	180	1.9	<1.0	<1.0	<2.0
	HMW-10-012511	1/25/2011	<0.26	<0.42	<400	<4.0	<4.0	<4.0	<8.0
	QA/QC-1-012511 ⁴	1/25/2011	<0.26	<0.41	<400	<4.0	<4.0	<4.0	<8.0
	HMW10-042611	4/26/2011	<0.26	<0.41	180	1.6	<1.0	<1.0	<2.0
	HMW-10-071911	7/19/2011	<0.28	<0.44	310	2.3	<1.0	<1.0	1.4
	QA/QC-2-071911 ⁴	7/19/2011	<0.29 ¹¹	<0.46	350	2.3	<1.0	<1.0	1.8
	HMW10-102111	10/21/2011	<0.28	<0.45	200	2.6	<1.0	<1.0	<2.0
	HMW-10-042612	4/26/2012	<0.26	<0.42	170	1.9	<1.0	<1.0	<2.0
	HMW-10-110112	11/1/2012	<0.26	<0.42	200	1.8	<1.0	<1.0	<2.0
	HMW-10-042213	4/22/2013	<0.26	<0.42	150	1.7	<1.0	<1.0	<2.0
HMW-10-102213	10/22/2013	<0.26	<0.41	160	2.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
HMW-11	HMW11-061708	6/17/2008	0.83	<0.44	940	9.0	<4.0	14	8.3
	HMW11-100108	10/1/2008	0.89⁸	<0.42	490	5.7	<1.0	1.9	1.4
	HMW11-123108	12/31/2008	<0.25	<0.40	760	8.1	<4.0	9.2	4.4
	HMW11-032009	3/20/2009	<0.25	<0.43	680	7.5	<4.0	8.2	5.2
	QAQC2-032009 ⁴	3/20/2009	<0.27	<0.43	720	7.6	1.5	8.4	5.4
	HMW11-102809	10/28/2009	1.4	<0.40	450	3.6	<1.0	<1.0	<2.0
	HMW11-012610	1/26/2010	<0.26 ⁸	<0.41	460	1.4	<1.0	2.8	1.5
	HMW11-042010	4/20/2010	1.0	<0.43	1,200	3.4	1.1	5.7	3.3
	HMW-11-072010	7/20/2010	<0.60¹¹	<0.46	1,400⁵	4.3	1.1	4.6	6.0
	HMW-11-102110	10/21/2010	<0.50 ¹¹	<0.41	740	4.3	<1.0	1.2	2.2
	HMW-11-012511	1/25/2011	0.30	<0.42	<400	<4.0	<4.0	<4.0	<8.0
	HMW11-042711	4/27/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-11-071911	7/19/2011	0.57	<0.42	1,000	3.1	<1.0	1.4	6.5
	HMW11-102111	10/21/2011	0.57	<0.42	860	<4.0	<4.0	<4.0	<8.0
	HMW-11-042612	4/26/2012	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-11-110112	11/1/2012	0.58⁸	<0.41	1,300	3.5	<1.0	<1.0	2.6
HMW-11-042313	4/23/2013	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0	
HMW-11-102313	10/23/2013	<0.54¹¹	<0.41	820	2.4	<1.0	2.1	<2.0	
HMW-12	HMW12-100208	10/2/2008	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater - June 2008 through October 2013
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³
HMW-13	HMW13-061608	6/16/2008	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	HMW13-061608 ⁷	6/16/2008	0.396	< 0.532	<50.0	<0.500	<0.500	<0.500	<1.00
	HMW13-100108	10/1/2008	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	HMW13-123008	12/30/2008	<0.27	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	HMW13-031909	3/19/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	HMW13-102809	10/28/2009	5.7	0.86¹⁰	<100	<1.0	<1.0	<1.0	<2.0
	HMW13-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	HMW13-042010	4/20/2010	<0.28	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-072010	7/20/2010	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-102110	10/21/2010	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-012511	1/25/2011	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-042611	4/26/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-071811	7/18/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-102111	10/21/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-042612	4/26/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-110112	11/1/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
HMW-13-042213	4/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0	
HMW-13-102313	10/23/2013	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0	
MTCA Method A Cleanup Levels for Groundwater⁹			0.5	0.5	800	5	1,000	700	1,000

NOTES:

< denotes analyte not detected at or above the laboratory reporting limit listed.

Results in **bold** denote sample result or reporting limit exceeds applicable Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater.

¹Analyzed by Northwest Method NWTPH-Dx.

²Analyzed by Northwest Method NWTPH-Gx.

³Analyzed by U. S. Environmental Protection Agency Method 8021B.

⁴Quality assurance/quality control duplicate sample.

⁵Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

⁶Sample collected using disposable bailer

⁷Duplicate sample analyzed at TestAmerica Inc.

⁸Hydrocarbons in the gasoline range are impacting the diesel-range result.

⁹MTCA Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

¹⁰Hydrocarbons in the diesel range are impacting the oil-range result.

¹¹The practical quantitation limit is elevated due to interferences in the sample.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = TPH as diesel-range organics

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

TPH = total petroleum hydrocarbons

**APPENDIX A
LABORATORY ANALYTICAL REPORT**

OCTOBER 2013 GROUNDWATER MONITORING REPORT
CHS Auburn Site
Auburn, Washington

Farallon PN: 301-004



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 1, 2013

Paul Grabau
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 301-004
Laboratory Reference No. 1310-258

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on October 24, 2013.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: November 1, 2013
Samples Submitted: October 24, 2013
Laboratory Reference: 1310-258
Project: 301-004

Case Narrative

Samples were collected on October 22 and 23, 2013 and received by the laboratory on October 24, 2013. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: November 1, 2013
 Samples Submitted: October 24, 2013
 Laboratory Reference: 1310-258
 Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CMW-25-102213					
Laboratory ID:	10-258-01					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	71-112				
Client ID:	CMW-31-102213					
Laboratory ID:	10-258-02					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	71-112				
Client ID:	CMW-7-102213					
Laboratory ID:	10-258-03					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	71-112				

Date of Report: November 1, 2013
 Samples Submitted: October 24, 2013
 Laboratory Reference: 1310-258
 Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CMW-26-102213					
Laboratory ID:	10-258-04					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	71-112				
Client ID:	CMW-13-102213					
Laboratory ID:	10-258-05					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	71-112				
Client ID:	CMW-29-102213					
Laboratory ID:	10-258-06					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	71-112				

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NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	HMW-10-102213					
Laboratory ID:	10-258-07					
Benzene	2.0	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	160	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	71-112				
Client ID:	HMW-13-102313					
Laboratory ID:	10-258-08					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	71-112				
Client ID:	HMW-9-102313					
Laboratory ID:	10-258-09					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	71-112				

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NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CMW-28-102313					
Laboratory ID:	10-258-10					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	71-112				
Client ID:	CMW-8-102313					
Laboratory ID:	10-258-11					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	71-112				
Client ID:	CMW-2-102313					
Laboratory ID:	10-258-12					
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	71-112				

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NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-1-102313					
Laboratory ID:	10-258-13					
Benzene	4.5	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	32	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	57	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	4.2	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	2100	100	NWTPH-Gx	10-25-13	10-25-13	O
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	71-112				
Client ID:	CMW-12-102313					
Laboratory ID:	10-258-14					
Benzene	3.1	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	740	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	71-112				
Client ID:	DUP-2-102313					
Laboratory ID:	10-258-15					
Benzene	3.0	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	790	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	71-112				

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NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CMW-10-102313					
Laboratory ID:	10-258-16					
Benzene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
Toluene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
m,p-Xylene	5.0	1.0	EPA 8021B	10-29-13	10-29-13	
o-Xylene	1.9	1.0	EPA 8021B	10-29-13	10-29-13	
Gasoline	260	100	NWTPH-Gx	10-29-13	10-29-13	O
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	71-112				
Client ID:	HMW-11-102313					
Laboratory ID:	10-258-17					
Benzene	2.4	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	2.1	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	820	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	71-112				
Client ID:	CMW-27-102313					
Laboratory ID:	10-258-18					
Benzene	4.3	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	32	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	56	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	4.1	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	2200	100	NWTPH-Gx	10-25-13	10-25-13	O
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	71-112				

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**NWTPH-Gx/BTEX
 METHOD BLANK QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID: MB1025W2						
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	71-112				
Laboratory ID: MB1025W3						
Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Toluene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
o-Xylene	ND	1.0	EPA 8021B	10-25-13	10-25-13	
Gasoline	ND	100	NWTPH-Gx	10-25-13	10-25-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	71-112				
Laboratory ID: MB1029W2						
Benzene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
Toluene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
Ethyl Benzene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
m,p-Xylene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
o-Xylene	ND	1.0	EPA 8021B	10-29-13	10-29-13	
Gasoline	ND	100	NWTPH-Gx	10-29-13	10-29-13	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	71-112				

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**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags		
DUPLICATE										
Laboratory ID:	10-258-01									
	ORIG	DUP								
Benzene	ND	ND	NA	NA	NA	NA	NA	30		
Toluene	ND	ND	NA	NA	NA	NA	NA	30		
Ethyl Benzene	ND	ND	NA	NA	NA	NA	NA	30		
m,p-Xylene	ND	ND	NA	NA	NA	NA	NA	30		
o-Xylene	ND	ND	NA	NA	NA	NA	NA	30		
Gasoline	ND	ND	NA	NA	NA	NA	NA	30		
<i>Surrogate:</i>										
Fluorobenzene				85	84	71-112				
Laboratory ID:	10-258-02									
	ORIG	DUP								
Benzene	ND	ND	NA	NA	NA	NA	NA	30		
Toluene	ND	ND	NA	NA	NA	NA	NA	30		
Ethyl Benzene	ND	ND	NA	NA	NA	NA	NA	30		
m,p-Xylene	ND	ND	NA	NA	NA	NA	NA	30		
o-Xylene	ND	ND	NA	NA	NA	NA	NA	30		
Gasoline	ND	ND	NA	NA	NA	NA	NA	30		
<i>Surrogate:</i>										
Fluorobenzene				84	84	71-112				
MATRIX SPIKES										
Laboratory ID:	10-258-01									
	MS	MSD	MS	MSD	MS	MSD				
Benzene	51.3	50.0	50.0	50.0	ND	103	100	78-120	3	12
Toluene	50.6	49.1	50.0	50.0	ND	101	98	80-121	3	12
Ethyl Benzene	50.3	49.1	50.0	50.0	ND	101	98	81-120	2	13
m,p-Xylene	50.8	49.2	50.0	50.0	ND	102	98	81-119	3	13
o-Xylene	50.0	48.9	50.0	50.0	ND	100	98	79-117	2	13
<i>Surrogate:</i>										
Fluorobenzene					96	87	71-112			

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NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CMW-25-102213					
Laboratory ID:	10-258-01					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				
Client ID:	CMW-31-102213					
Laboratory ID:	10-258-02					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				
Client ID:	CMW-7-102213					
Laboratory ID:	10-258-03					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
Client ID:	CMW-26-102213					
Laboratory ID:	10-258-04					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				
Client ID:	CMW-13-102213					
Laboratory ID:	10-258-05					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				
Client ID:	CMW-29-102213					
Laboratory ID:	10-258-06					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				

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NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	HMW-10-102213					
Laboratory ID:	10-258-07					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	100	50-150				
Client ID:	HMW-13-102313					
Laboratory ID:	10-258-08					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.42	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
Client ID:	HMW-9-102313					
Laboratory ID:	10-258-09					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	111	50-150				
Client ID:	CMW-28-102313					
Laboratory ID:	10-258-10					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				
Client ID:	CMW-8-102313					
Laboratory ID:	10-258-11					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-30-13	X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	100	50-150				
Client ID:	CMW-2-102313					
Laboratory ID:	10-258-12					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-29-13	10-30-13	X1
Lube Oil Range Organics	ND	0.42	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				

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NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-1-102313					
Laboratory ID:	10-258-13					
Diesel Range Organics	2.6	0.26	NWTPH-Dx	10-29-13	10-30-13	M,X1
Lube Oil Range Organics	ND	0.42	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	CMW-12-102313					
Laboratory ID:	10-258-14					
Diesel Range Organics	ND	0.55	NWTPH-Dx	10-29-13	10-30-13	U1,X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	110	50-150				
Client ID:	DUP-2-102313					
Laboratory ID:	10-258-15					
Diesel Range Organics	ND	0.48	NWTPH-Dx	10-29-13	10-30-13	U1,X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				
Client ID:	CMW-10-102313					
Laboratory ID:	10-258-16					
Diesel Range Organics	1.3	0.26	NWTPH-Dx	10-29-13	10-30-13	X1
Lube Oil Range Organics	ND	0.42	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				
Client ID:	HMW-11-102313					
Laboratory ID:	10-258-17					
Diesel Range Organics	ND	0.54	NWTPH-Dx	10-29-13	10-30-13	U1,X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				
Client ID:	CMW-27-102313					
Laboratory ID:	10-258-18					
Diesel Range Organics	2.8	0.26	NWTPH-Dx	10-29-13	10-30-13	M,X1
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-29-13	10-30-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Date of Report: November 1, 2013
 Samples Submitted: October 24, 2013
 Laboratory Reference: 1310-258
 Project: 301-004

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1029W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	10-29-13	10-29-13	X1
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	10-29-13	10-29-13	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				

Analyte	Result		Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE							
Laboratory ID:	10-258-01						
	ORIG	DUP					
Diesel Range Organics	ND	ND			NA	NA	X1
Lube Oil Range Organics	ND	ND			NA	NA	X1
<i>Surrogate:</i>							
<i>o-Terphenyl</i>			112	100	50-150		
Laboratory ID:	10-258-02						
	ORIG	DUP					
Diesel Range Organics	ND	ND			NA	NA	X1
Lube Oil Range Organics	ND	ND			NA	NA	X1
<i>Surrogate:</i>							
<i>o-Terphenyl</i>			105	107	50-150		



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



MVA Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

10-258

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

(other) _____

Date Sampled Time Sampled Matrix

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx	
Volatiles 8260C	
Halogenated Volatiles 8260C	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals/ MTCA Metals (circle one)	
TCLP Metals	
HEM (oil and grease) 1664A	

Laboratory Number:

% Moisture

Company: **FARALLON**
 Project Number: **301-004**
 Project Name: **CHS AUBURN**
 Project Manager: **PAUL GRABAD**
 Sampled by: **Ron Bruck, Terene Chel**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Date	Time	Comments/Special Instructions
1	CMW-25-102213	10/22/13	1240	W	5	X		
2	CMW-31-102213		1319	W	5	X		
3	CMW-7-102213		1325	W	5	X		
4	CMW-26-102213		1355	W	5	X		
5	CMW-13-102213		1408	W	5	X		
6	CMW-29-102213		1445	W	5	X		
7	HMW-10-102213		1454	W	5	X		
8	HMW-13-102313	10/23/13	0910	W	5	X		
9	HMW-9-102313		0923	W	5	X		
10	CMW-28-102313		1000	W	5	X		
	Signature	Company						
Relinquished	<i>Ron Bruck</i>	FARALLON				10/23/13	1530	Row silica gel cleanup on
Received		<i>OSTE</i>				10/24/13	1300	All dx samples?
Relinquished								
Received								
Relinquished								
Received								
Relinquished								
Reviewed/Date		Reviewed/Date						Chromatograms with final report <input type="checkbox"/>



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Chain of Custody

10-258

Turnaround Request
(in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
(TPH analysis 5 Days)
- _____ (other)

Laboratory Number:

Company: FARALLON
 Project Number: 301-004
 Project Name: CHS AUBURN
 Project Manager: PAUL GRABAU
 Sampled by: Ken Smith, Terene Chen

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
11	CMW-8-102313	10/23/13	1029	W 5
12	CMW-2-102313	10/40		W 5
13	DUP-1-102313	11/30		W 5
14	CMW-12-102313	11/49		W 5
15	DUP-2-102313	11/54		W 5
16	CMW-10-102313	12/00		W 5
17	HMW-11-102313	12/50		W 5
18	CMW-27-102313	12/55		W 5

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals/ MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
	X	X	X	X	X	X	X	X								

Signature	Company	Date	Time	Comments/Special Instructions
	FARALLON	10/23/13	1530	Row 5 ticket - gel cleanup on all Dx samples -
	QRE	10/24/13	1300	

Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Reviewed/Date _____

Reviewed/Date _____

Chromatograms with final report