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NOVEMBER 2015 GROUNDWATER MONITORING REPORT

CHS AUBURN SITE
AUBURN, WASHINGTON

Submitted by:
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Farallon PN: 301-004

For:
CHS Inc.
763 Willoughby Lane
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February 10, 2016

Prepared by:

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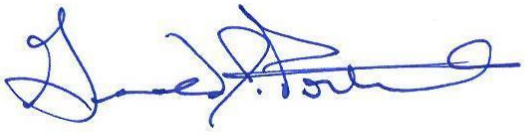

Gerald J. Portele
Principal

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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 November 23 and 24, 2015 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 Cleanup Action Plan for the Site. The Remedial Investigation/Feasibility Study of the Site was 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). The Feasibility Study for the Site was submitted to Ecology on August 6, 2014 (Farallon 2014). A working draft of the Draft Cleanup Action Plan was submitted to Ecology for review on May 29, 2015 (Farallon 2015a). The Site name is listed on the Ecology Confirmed and Suspected Contaminated Sites List database as Cenex Valley Supply Coop, and has been assigned Site Identification No. 2487.

The scope of work for the November 2015 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 was 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. Monitoring well CMW-7 was sampled during the April 2012 through April 2015 monitoring events with no constituents of concern detected at concentrations exceeding laboratory reporting limits. Monitoring well CMW-7 appears to have been paved over subsequent to the April 2015 monitoring event, as discussed below in Section 2.0, Field Methods.

This report is organized as follows:

- Section 2 describes the field methods and sampling protocols used for the November 2015 groundwater monitoring event conducted at the Site.
- Section 3 presents the results of the November 2015 groundwater monitoring event conducted at the Site.
- Section 4 provides a summary of Central/Perimeter air sparging (AS) system operation and maintenance activities conducted at the Site since April 2015.

- Section 5 presents a discussion of contaminant and dissolved-oxygen distribution in groundwater.
- Section 6 discusses the ongoing and planned activities pertaining to the Site cleanup.
- Section 7 provides a list of the documents cited in this report.

2.0 FIELD METHODS

This section summarizes the field methods and sampling protocols used for the November 2015 monitoring and sampling event at the Site.

2.1 SAMPLING PROTOCOLS

Groundwater samples were collected at the Site on November 23 and 24, 2015 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 November 23, 2015 prior to initiation of sampling. Groundwater elevations were also measured 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 November 2015 are presented in Table 1. The dissolved-oxygen measurements obtained concurrently with the initial water-level measurements over the same time period 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 200 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 Horiba Model U5000 and YSI Model 556 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 unit 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 and lid were 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 November 2015 groundwater monitoring event, groundwater samples were collected from monitoring wells 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- and as oil-range organics (DRO and ORO, respectively) 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 well CMW-2 was scheduled for sampling but was submerged under a puddle on November 24, 2015 and so could not be accessed without allowing surface water intrusion into the well casing. The well was accessible on the previous day and was monitored for water-level measurement and dissolved-oxygen content. Monitoring well CMW-7 was intended to be sampled but was not located, and appears to have been paved over during recent construction activities on 7th Street Southeast. Monitoring wells CMW-4, CMW-6, CMW-15, and CMW-30 were monitored for only water-level elevations and dissolved-oxygen content. Monitoring well HMW-12 was previously monitored for water-level elevation and dissolved-oxygen content, but has not been located visually or using a magnetometer since the July 2011 monitoring event. It appears that the well was inadvertently destroyed during landscaping activities in the planting area at the intersection of 6th Street Southeast and Auburn Way South. Wastewater generated during development and purging of the monitoring wells is temporarily stored in labeled 55-gallon drums at the Site.

3.0 GROUNDWATER MONITORING RESULTS

The following sections present the results of the November 2015 groundwater monitoring event conducted at the Site.

3.1 GROUNDWATER ELEVATIONS

Groundwater elevations measured in the Site monitoring wells during the November 2015 monitoring event ranged from 67.42 feet above mean sea level in monitoring well CMW-30 to 66.33 feet above mean sea level in monitoring well CMW-8 (Table 1). Groundwater elevation contours based on the measured elevations on November 23, 2015 are shown on Figure 3. The groundwater flow direction was northeast, with an average gradient of 0.0013 foot per foot. Groundwater elevations measured in November 2015 were approximately 2.2 feet lower on average than those measured during the previous monitoring event in April 2015 (Farallon 2015b). The observed seasonal trend of higher groundwater elevations in April and lower water elevations during October or November monitoring events is consistent with measurements obtained during previous monitoring events.

3.2 SITE-WIDE MONITORING ANALYTICAL RESULTS

The analytical results for the November 2015 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 will be defined in the Cleanup Action Plan being prepared for the Site. The laboratory analytical reports for the November 2015 monitoring event are included in Appendix A.

3.2.1 Total Petroleum Hydrocarbons as Gasoline-Range Organics

GRO was detected at concentrations exceeding the MTCA Method A screening level of 800 micrograms per liter (µg/l) in groundwater samples collected from 2 of the 14 monitoring wells sampled during the November 2015 monitoring event (Table 3). GRO was detected at a concentration of 980 µg/l in the sample collected from monitoring well CMW-10 and at a concentration of 930 µg/l in the sample collected from monitoring well CMW-27. GRO was detected at a concentration less than the MTCA Method A screening level in the QA/QC duplicate sample collected from monitoring well CMW-27. The analytical results for GRO for the November 2015 groundwater monitoring event are presented on Figure 4.

3.2.2 Benzene, Toluene, Ethylbenzene, and Xylenes

None of the BTEX constituents was detected at concentrations exceeding MTCA Method A screening levels in samples collected during the November 2015 monitoring event (Table 3).

3.2.3 Total Petroleum Hydrocarbons as Diesel-Range Organics

DRO was detected at a concentration exceeding the MTCA Method A screening level of 0.5 milligrams per liter (mg/l) in groundwater samples collected from 2 of the 14 monitoring wells sampled during the November 2015 monitoring event (Table 3). DRO was detected at a concentration of 2.9 mg/l in both the sample and the QA/QC duplicate sample collected from monitoring well CMW-27 and at a concentration of 2.0 mg/l in the sample collected from monitoring well CMW-10. The analytical results for DRO for the November 2015 groundwater monitoring event are presented on Figure 5.

3.2.4 Total Petroleum Hydrocarbons as Oil-Range Organics

ORO was not detected at concentrations exceeding the MTCA Method A screening level of 0.5 mg/l in samples collected and analyzed during the November 2015 monitoring event (Table 3).

3.2.5 Groundwater Geochemical Parameters

The groundwater geochemical parameters measured in the field during the November 2015 monitoring event included pH, ORP, and dissolved-oxygen content. The results for these geochemical parameters for the November 2015 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 November 2015 groundwater monitoring event ranged from -256.0 millivolts at monitoring well CMW-27 to 329.0 millivolts at monitoring well CMW-4.

3.2.5.2 pH

The pH measurements for groundwater samples collected during the November 2015 monitoring event ranged from 5.88 pH units at monitoring well CMW-13 to 6.24 pH units at monitoring well HMW-9. The pH readings obtained using the Horiba Model U5000 water-quality analyzer during the November 2015 sampling event read consistently low relative to historic readings, even after several recalibration attempts; therefore, only the pH measurements obtained using the YSI Model 556 instrument are included on the groundwater quality summary provided in Table 2.

3.2.5.3 Dissolved Oxygen

The dissolved-oxygen readings measured at the Site on November 23, 2015 ranged from 0.07 mg/l in monitoring well CMW-27 to 4.95 mg/l in monitoring well CMW-2.

3.3 DATA VALIDATION

Farallon reviewed the analytical data package provided by OnSite for sample delivery groups 1511-231 and 1511-238. The laboratory analytical reports for the samples analyzed by OnSite are provided in Appendix A. The groundwater samples from sample delivery groups 1511-231 and 1511-238 were analyzed for GRO, DRO, ORO, and BTEX constituents by the methods cited in Section 2.2, Selected Monitoring Wells and Analysis. 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 November 2015 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 April 2015.

Farallon has been conducting regular operation and maintenance inspections of the combined Central/Perimeter AS system at the Site since the previous groundwater monitoring event in April 2015. Airflows to the individual AS wells were rebalanced during each system inspection. With the exception of AS well CAS-13, which is discussed further below, no significant irregularities were noted during the operation and maintenance inspections conducted from April through November 2015.

AS wells CAS-1 through CAS-4, CAS-12, and CAS-13 currently are used for air 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). Airflows of approximately 2 standard cubic feet per minute (scfm) were maintained in AS wells CAS-2 through CAS-4 and CAS-12 at pressures ranging from approximately 12 to 15 pounds per square foot. Lower airflows typically are observed in AS well CAS-1 and replacement of the rotometer on the air distribution piping in January 2015 did not have an appreciable effect on achieving higher airflows. Airflows of approximately 2 scfm were established in AS well CAS-13 in June and August 2015. An airflow of 1.5 scfm was the maximum that could be established in AS well CAS-13 in September 2015, with a maximum airflow of 0.5 scfm established in October 2015. Farallon installed new rotometers on the air supply piping for AS wells CAS-1 and CAS-13 on January 23, 2015. At that time, the maximum airflow achievable for AS well CAS-13 was 0.8 scfm.

5.0 DISCUSSION

The following sections provide an overview of the distribution of DRO, GRO, and BTEX constituents and dissolved oxygen in groundwater at the Site.

5.1 CONTAMINANT DISTRIBUTION IN GROUNDWATER

The concentrations of constituents of concern detected in groundwater samples collected from Site monitoring wells during the November 2015 monitoring event varied relative to the April 2015 monitoring event (Farallon 2015b) as follows:

- DRO, GRO, ORO, benzene, and xylenes concentrations increased in groundwater samples collected from monitoring well CMW-10 between the April and November 2015 monitoring events. Of those constituents, DRO and GRO were detected at concentrations exceeding MTCA Method A screening levels at this location during the November 2015 monitoring event. None of these constituents was detected at concentrations exceeding MTCA Method A screening levels at this location during the April 2015 monitoring event.
- GRO, benzene, ethylbenzene, and xylenes concentrations decreased in groundwater samples collected from monitoring well CMW-12 between the April and November 2015 monitoring events. None of the constituents analyzed was detected at concentrations exceeding MTCA Method A screening levels at this location during the November 2015 monitoring event.
- GRO, benzene, and ethylbenzene concentrations increased in groundwater samples collected from monitoring well CMW-27 between the April and November 2015 monitoring events, whereas DRO and xylenes concentrations decreased. DRO and GRO were the only constituents detected at concentrations exceeding MTCA Method A screening levels at this location during the November 2015 monitoring event.
- GRO and benzene concentrations increased in groundwater samples collected from monitoring well HMW-11 between the April and November 2015 monitoring events, but remained less than MTCA Method A screening levels at this location during the November 2015 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 and CAS-12 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 wells CMW-2 and CMW-28 have been significantly elevated as a result of focusing airflows into the down-gradient perimeter AS wells.

AS well CAS-13 has been operating since June 2010 but has experienced obstructed airflow since April 2014. Limited airflow was restored to AS well CAS-13 after replacing the rotometer in January 2015. Target airflows were reestablished in AS well CAS-13 in June and August 2015 with lower maximum air flows observed in September and October 2015. Lower airflows typically are observed in AS well CAS-1 and replacement of the rotometer for AS well CAS-1 in January 2015 did not have an appreciable effect on achieving higher airflows. It appears that the obstructed airflows may be the result of a blockage within the air distribution piping downstream of the rotometer or possibly siltation, biofouling, or calcification within the well screens. Disassembling the air distribution piping and redevelopment of AS wells CAS-1 and CAS-13 is recommended as part of the construction activities for implementation of the cleanup action proposed in the Feasibility Study (Farallon 2014).

The distribution of dissolved oxygen measured in groundwater in November 2015 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.

A background dissolved-oxygen concentration of 2.14 mg/l was measured in monitoring well CMW-4 during the November 2015 monitoring event, which is lower than typical but equal to the April 2015 measurement. 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, northeast of Auburn Way South, consistent with previous monitoring events.

6.0 ONGOING AND PLANNED ACTIVITIES

The working draft of the Draft Cleanup Action Plan for the Site currently is being reviewed by Ecology (Farallon 2015a) and incorporated into the Cleanup Action Plan currently in preparation by Ecology. A detailed groundwater monitoring plan specifying future monitoring procedures and frequency will be developed for the Site following completion of the Cleanup Action Plan.

7.0 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.

———. 2014. *Feasibility Study CHS Auburn Site, Auburn, Washington*. Prepared for CHS Inc., Stevensville, Montana. August 6.

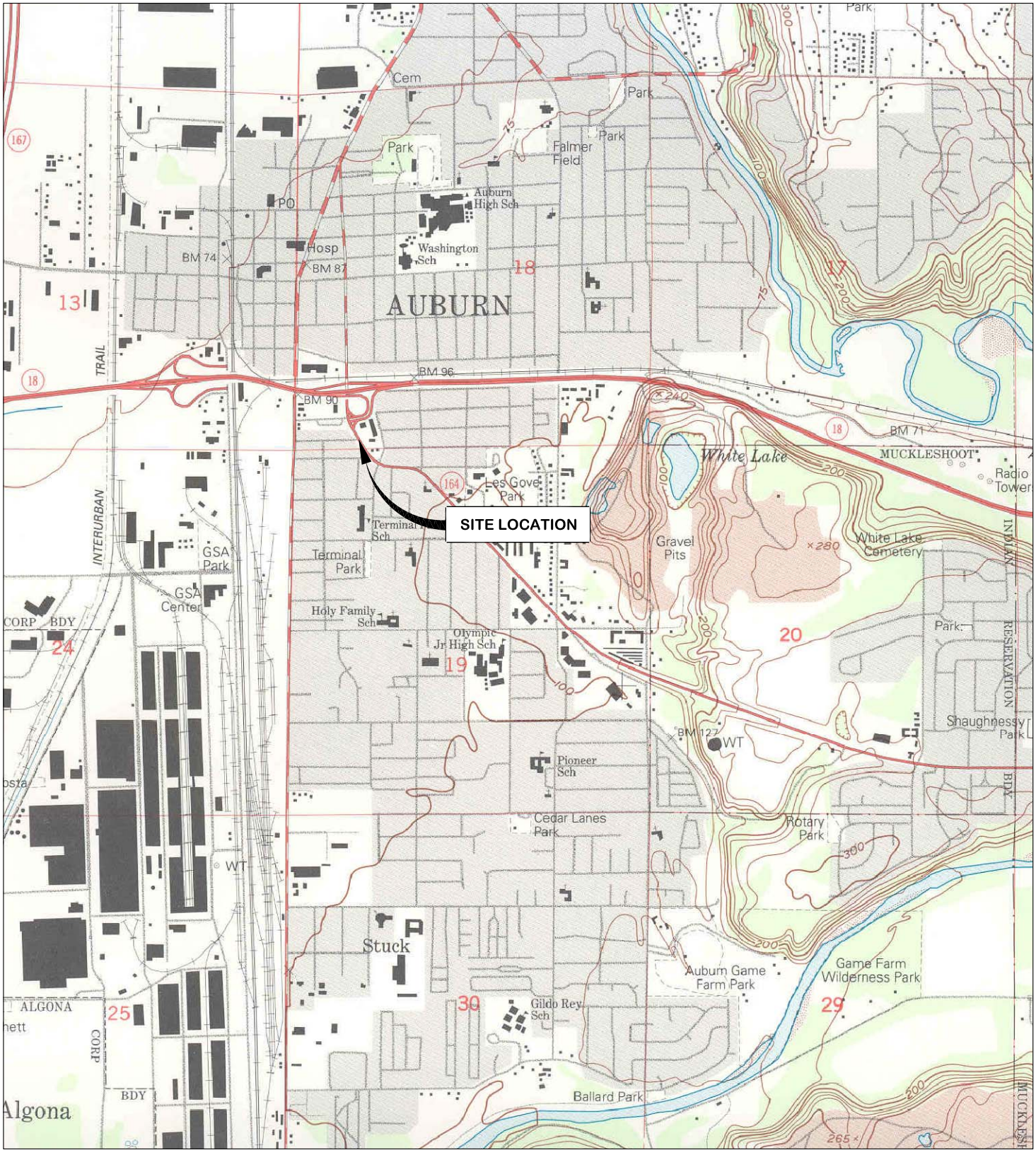
———. 2015a. *Draft Cleanup Action Plan, CHS Auburn Site, Auburn Washington* (draft version). Prepared for CHS Inc., Stevensville, Montana. May 28.

———. 2015b. *April 2015 Groundwater Monitoring Report, CHS Auburn Site, Auburn Washington.* Prepared for CHS Inc., Stevensville, Montana. June 30.

FIGURES

NOVEMBER 2015 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

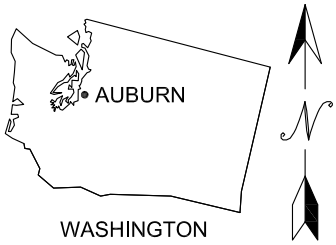


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FIGURE 1

SITE VICINITY MAP
CHS AUBURN SITE
AUBURN, WASHINGTON

FARALLON PN: 301-004

Drawn By: GPF Checked By: PG Date: 12/10/2015 Disk Reference: 301-004_00

STATE ROUTE - 18

AUBURN WAY SOUTH

6TH STREET SE

7th STREET SE

8th STREET SE

FIRE HOUSE SQUARE

D STREET SE

C STREET SE

6TH STR

7TH ST

8TH S

SCHUCKS

MCDONALD'S

WSIADA

THAI RESTAURANT

BIG-O TIRES

CHS AUBURN FACILITY

CHS MAIN BUILDING

CMW-20 CMW-23 CMW-22 CMW-19 DAS-13 DAS-14 DSVE-15 DSVE-16 CMW-32 CMW-14 CMW-17 CMW-21 CMW-9 CMW-15 CMW-8 CMW-31 HMW-12 CMW-5 HMW-9 HMW-5 HMW-6 HMW-10 HMW-8 CMW-18 CMW-12 CRW-2 HMW-11 CMW-7 CMW-6 CMW-27 CMW-13 CSVE-1 CMW-2 CAS-3 CAS-1 CAS-2 CMW-10 CRW-1 CMW-11 CAS-12 CSVE-7 CAS-10 CSVE-8 CAS-11 CSVE-4 CAS-4 CAS-5 CMW-25 CAS-8 CAS-13 CMW-28 CSVE-6 CAS-7 CSVE-5 CAS-9 HMW-13 AS-1 AS-14 SV-14 SV-1 SV-2 SV-15 SV-16 AS-15 SV-3 AS-13 AS-16 SV-13 CMW-29 CMW-4 CMW-26 AS-12 SV-12 AS-11 SV-11 SV-10 CMW-3 CMW-30 CMW-1 CMW-24 HMW-14

0 100

APPROXIMATE SCALE IN FEET

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 CSVE-7	DUAL COMPLETION SVE AND AS SYSTEM WELL
CMW-9	LOST OR ABANDONED MONITORING WELL

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FIGURE 2

SITE PLAN
CHS AUBURN SITE
AUBURN, WASHINGTON

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STATE ROUTE - 18

AUBURN WAY SOUTH

6TH STREET SE

7th STREET SE

8th STREET SE

7TH STREET SE

8TH STREET SE

D STREET SE

C STREET SE

SCHUCKS

FIRE HOUSE SQUARE

MCDONALD'S

WSNADA

THAI RESTAURANT

BIG-O TIRES

CHS AUBURN FACILITY

CHS MAIN BUILDING

CMW-19

CMW-15 (66.35)

CMW-8 (66.33)

CMW-31 (66.47)

CMW-32

CMW-17

CMW-21

CMW-5

HMW-9 (66.50)

CMW-18

HMW-10 (66.62)

CMW-12 (66.78)

CRW-2

HMW-11

CMW-6

CMW-7

CMW-27 (66.89)

CMW-13 (66.86)

CMW-2 (67.12)

CRW-1

CMW-10

CMW-11

CMW-25

CMW-28 (67.06)

HMW-13 (67.21)

CMW-4 (67.39)

CMW-29 (67.25)

CMW-26 (67.27)

CMW-3

CMW-30 (67.42)

CMW-24

HMW-14

66.40

66.60

66.80

67.00

67.20

67.40

0 100

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
- 66.25 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

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FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
NOVEMBER 23, 2015
CHS AUBURN SITE
AUBURN, WASHINGTON

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STATE ROUTE - 18

AUBURN WAY SOUTH

6TH STREET SE

7th STREET SE

8th STREET SE

7TH STREET S

8TH STREET

D STREET SE

C STREET SE

FIRE HOUSE SQUARE

SCHUCKS

WSIADA

THAI RESTAURANT

MCDONALD'S

BIG-O TIRES

CHS AUBURN FACILITY

CHS MAIN BUILDING

CMW-20 CMW-23 CMW-19 CMW-32 CMW-17 CMW-21 CMW-15 CMW-8 <100 CMW-31 <100 CMW-5 HMW-9 <100 CMW-18 HMW-10 <100 CMW-12 420 CRW-2 HMW-11 460 CMW-7 CMW-27 930 CMW-6 CMW-13 <100 CMW-2 CMW-10 980 CRW-1 CMW-11 CMW-25 <100 CMW-28 <100 HMW-13 <100 CMW-4 CMW-29 <100 CMW-26 <100 CMW-3 CMW-30 CMW-24 HMW-14

0 100

APPROXIMATE SCALE IN FEET

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

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

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FIGURE 4

NOVEMBER 2015
GROUNDWATER ANALYTICAL RESULTS
FOR GRO
CHS AUBURN SITE
AUBURN, WASHINGTON

FARALLON PN: 301-004

Drawn By: GPF Checked By: PG Date: 12/10/2015 Disk Reference: 301-004_00

STATE ROUTE - 18

AUBURN WAY SOUTH

6TH STREET SE

7th STREET SE

8th STREET SE

CMW-20
CMW-23
CMW-19
CMW-15
CMW-32
CMW-17
CMW-21
6TH STREE
CMW-8
<0.26
CMW-31
<0.26
CMW-5
7TH STRE
CMW-18
SCHUCKS
FIRE HOUSE SQUARE
HMW-9
<0.26
HMW-10
<0.26
D STREET SE
CMW-12
<0.26
CRW-2
HMW-11
<0.39
MCDONALD'S
CMW-6
CMW-7
CMW-27
2.9
WSIADA
CMW-13
<0.26
8TH STR
CMW-2
CMW-10
2.0
CRW-1
CMW-11
THAI RESTAURANT
CMW-25
<0.26
CMW-28
0.29
HMW-13
<0.26
CMW-4
CMW-29
<0.26
CMW-26
<0.25
BIG-O TIRES
CMW-3
CHS AUBURN FACILITY
CMW-30
CHS MAIN BUILDING
CMW-24
C STREET SE
HMW-14

0 100
APPROXIMATE SCALE IN FEET

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 (MTCA) 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 MTCA METHOD A CLEANUP LEVEL

N

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FIGURE 5

NOVEMBER 2015
GROUNDWATER ANALYTICAL RESULTS
FOR DRO
CHS AUBURN SITE
AUBURN, WASHINGTON

FARALLON PN: 301-004

Drawn By: GPF Checked By: PG Date: 12/10/2015 Disk Reference: 301-004_00

TABLES

NOVEMBER 2015 GROUNDWATER MONITORING REPORT
CHS Auburn Site
Auburn, Washington

Farallon PN: 301-004

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2015
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
		4/23/2014	16.78	72.12
		10/28/2014	23.96	64.94
		4/22/2015	19.57	69.33
		11/23/2015	21.78	67.12
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
		4/23/2014	18.48	72.20
		10/28/2014	25.55	65.13
		4/22/2015	21.18	69.50
		11/23/2015	23.29	67.39

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2015
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-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
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
		4/23/2014	19.32	71.34
		4/22/2015	22.05	68.61
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
		4/23/2014	15.96	71.77
		10/28/2014	22.96	64.77
		4/22/2015	18.72	69.01

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2015
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-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
		4/23/2014	18.97	70.97
		10/28/2014	25.86	64.08
		4/22/2015	21.65	68.29
		11/23/2015	23.61	66.33
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
		4/22/2013	19.37	NS
		10/22/2013	22.43	NS
		4/23/2014	17.22	NS
		10/28/2014	24.38	NS
		4/22/2015	19.99	NS
		11/23/2015	22.18	NS

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2015
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-11	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
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
		4/23/2014	18.43	71.59
		10/28/2014	25.52	64.50
		4/22/2015	21.18	68.84
		11/23/2015	23.24	66.78

Table 1
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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-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
		4/23/2014	17.98	71.69
		10/28/2014	25.08	64.59
		4/22/2015	20.72	68.95
		11/23/2015	22.81	66.86
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
		4/22/2013	18.24	68.98
		10/22/2013	21.23	65.99
		4/23/2014	16.16	71.06
		10/28/2014	23.05	64.17
		4/22/2015	18.78	68.44
		11/23/2015	20.87	66.35

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Well Identification	Elevation Top of Well Casing (feet)[1]	Measurement Date	Depth to Water (feet)[2]	Elevation (feet)[1]
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
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
		4/23/2014	17.27	NS
		10/28/2014	24.40	NS
		4/22/2015	19.95	NS
		11/23/2015	22.25	NS

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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
		4/23/2014	15.62	72.18
		10/28/2014	22.74	65.06
		4/22/2015	18.30	69.50
		11/23/2015	20.53	67.27
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
		4/23/2014	17.21	71.89
		10/28/2014	24.44	64.66
		4/22/2015	19.97	69.13
		11/23/2015	22.21	66.89

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2015
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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
		4/22/2013	19.58	69.90
		10/22/2013	22.62	66.86
		4/23/2014	17.49	71.99
		10/28/2014	24.67	64.81
		4/22/2015	20.22	69.26
		11/23/2015	22.42	67.06
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
		4/23/2014	15.85	72.18
		10/28/2014	22.96	65.07
		4/22/2015	18.52	69.51
		11/23/2015	20.78	67.25

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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
		4/23/2014	15.22	72.36
		10/28/2014	22.35	65.23
		4/22/2015	17.86	69.72
		11/23/2015	20.16	67.42
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
		4/23/2014	17.90	71.12
		10/28/2014	24.90	64.12
		4/22/2015	20.54	68.48
		11/23/2015	22.55	66.47

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Summary of Groundwater Elevation Data – June 2008 through November 2015
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-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
		4/23/2014	17.85	71.22
		10/28/2014	24.84	64.23
		4/22/2015	20.54	68.53
		11/23/2015	22.57	66.50

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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
		4/22/2013	19.88	69.30
		10/22/2013	22.83	66.35
		4/23/2014	17.72	71.46
		10/28/2014	24.75	64.43
		4/22/2015	20.41	68.77
		11/23/2015	22.56	66.62
HMW-11	NS	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
		4/26/2012	17.70	NS
		10/31/2012	22.51	NS
		4/22/2013	17.99	NS
		10/22/2013	20.98	NS
		4/23/2014	15.83	NS
		10/28/2014	22.92	NS
		4/22/2015	18.56	NS
		11/23/2015	20.68	NS

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2015
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-12	88.55	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
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
		4/23/2014	16.18	72.14
		10/28/2014	23.32	65.00
		4/22/2015	18.82	69.50
		11/23/2015	21.11	67.21

NOTES:

[1]Elevation in feet above mean sea level.

[2]Depth to water in feet below top of well casing.

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

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/24/2014	16.48	6.47	124	5.55
	10/29/2014	19.47	6.84	17	5.79
	4/23/2015	13.77	6.38	190	4.80
	11/23/2015	—	—	—	4.95
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
	4/23/2014	—	—	—	3.32
	10/28/2014	—	—	—	1.55
	4/22/2015	—	—	—	2.14
	11/23/2015	13.16	—[3]	329.0	2.14

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (milligrams per liter)
CMW-6	4/26/2012	—	—	—	2.65
	4/22/2013	—	—	—	3.93
	10/22/2013	—	—	—	0.67
	4/23/2014	—	—	—	2.17
	4/22/2015	—	—	—	1.79
	11/23/2015	—	—	—	—
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
	4/23/2014	14.81	6.06	119.0	2.70
	10/28/2014	16.38	5.91	147	2.40
	4/23/2015	12.01	6.14	149.7	2.53
	11/23/2015	—	—	—	—
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
	4/23/2014	14.60	6.68	-40.0	2.63
	10/28/2014	13.75	6.44	-33.5	3.96
	4/23/2015	14.30	5.99	31	0.04
	11/23/2015	12.37	6.16	-93.2	0.51

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/24/2014	16.89	5.89	48.0	3.53
	10/29/2014	19.79	6.10	-9	0.04
	4/22/2015	15.62	6.47	150.5	1.83
	11/23/2015	14.44	—[3]	141	0.55
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
	4/24/2014	15.30	6.36	-169.0	0.05
	10/29/2014	14.80	6.34	-89.2	0.08
	4/23/2015	14.53	6.20	9.2	0.04
	11/23/2015	12.37	6.14	-230.8	0.3

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/24/2014	12.67	6.41	186.0	1.62
	10/28/2014	14.59	6.22	-64.9	0.66
	4/23/2015	13.72	5.69	96.6	0.11
	11/23/2015	13.57	5.88	-10.3	0.35
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
	4/23/2014	—	—	—	0.07
	10/28/2014	—	—	—	2.64
	4/22/2015	—	—	—	0.04
	11/23/2015	—	—	—	0.60

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/23/2014	17.12	5.85	108	2.80
	10/28/2014	17.47	5.72	96	0.38
	4/23/2015	12.86	5.67	164.7	2.08
	11/23/2015	12.34	—[3]	195	1.62
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
	4/24/2014	15.12	6.11	131.0	0.10
	10/29/2014	15.03	5.54	250	1.83
	4/22/2015	15.64	6.03	141.9	1.64
	11/23/2015	12.33	—[3]	294	1.83

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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	13.80	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
	10/23/2013	14.00	5.99	6.8	1.59
	4/24/2014	14.22	6.54	16	2.09
	10/29/2014	15.30	6.24	-94.3	0.05
	4/23/2015	14.79	6.03	-17.3	0.22
	11/23/2015	14.34	6.09	-256.0	0.07
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
	4/24/2014	16.25	5.84	137.0	5.29
	10/29/2014	19.56	4.97	279	5.02
	4/22/2015	15.37	5.61	172	4.54
	11/23/2015	13.46	—[3]	229	1.38

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
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Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/23/2014	15.54	5.97	-60.0	0.06
	10/28/2014	16.59	5.80	131.0	0.17
	4/22/2015	15.42	5.65	166.3	0.12
	11/23/2015	12.88	—[3]	183	0.82
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
	4/23/2014	—	—	—	0.56
	10/28/2014	—	—	—	0.06
	4/22/2015	—	—	—	0.04
	11/23/2015	—	—	—	0.38

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/23/2014	13.52	6.33	178.0	1.13
	10/28/2014	13.43	6.22	88.7	3.08
	4/23/2015	13.35	5.62	203.0	0.19
	11/23/2015	12.77	6.02	167.1	2.13
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
	4/24/2014	15.60	6.57	-20.0	0.46
	10/29/2014	14.07	6.41	-33.3	0.54
	4/23/2015	14.42	5.92	40	0.03
	11/23/2015	13.83	6.24	-76.2	0.20

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/23/2014	14.27	6.58	-60.0	0.10
	10/28/2014	14.01	6.35	-136.8	0.66
	4/23/2015	13.86	5.96	32	0.05
	11/23/2015	12.17	—[3]	132	0.14
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
	4/24/2014	12.87	6.16	79.0	0.18
	10/29/2014	13.99	6.13	-62.4	0.99
	4/23/2015	14.77	5.79	83	0.13
	11/23/2015	13.13	5.93	-136.0	0.25

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2015
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Sample Location	Date[1]	Temperature[2] (°Celsius)	pH[2]	ORP[2] (millivolts)	Dissolved Oxygen[1] (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
	4/23/2014	15.26	5.86	118.0	0.37
	10/28/2014	16.84	5.63	182	0.41
	4/22/2015	15.78	5.40	125	0.11
	11/23/2015	12.96	—[3]	267	2.49

NOTES:

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

ORP = oxidation-reduction potential

[2]Temperature, pH, and ORP are measured using YSI or Horiba multi-parameter water-quality analyzer.
[3]Not measured due to malfunctioning pH meter.
[4]pH readings did not stabilize.
[5]Well paved over on October 20, 2010, and uncovered October 22, 2010.

Table 3
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through November 2015
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**	**<0.67**[11]	<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
	CMW-2-042414	4/24/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-102914	10/29/2014	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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 Groundwater[9]			**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 November 2015
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-7-042314	4/23/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-7-102814	10/28/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-7-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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-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
	CMW-8-042314	4/23/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-102814	10/28/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-112315	11/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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
	CMW-10-042414	4/24/2014	0.28	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-10-102914	10/29/2014	**0.59**	<0.41	300[5]	1.3	<1.0	1.7	10.8
	CMW-10-042215	4/22/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-10-112415	11/24/2015	**2.0**[8]	0.41	**980**[5]	1.4	<1.0	<1.0	14.6
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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
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
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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-12	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
	CMW-12-042414	4/24/2014	**<0.75**[11]	<0.41	**1,600**	4.3	<1.0	17	7.3
	DUP-2-042414[4]	4/24/2014	**<0.75**[11]	<0.41	**1,500**	4.1	<1.0	16	7.1
	CMW-12-102914	10/29/2014	**<0.50**[11]	<0.41	**950**	4.4	<1.0	<1.0	1.2
	DUP-2-102914[4]	10/29/2014	**<0.61**[11]	<0.41	**880**	4.5	<1.0	<1.0	1.0
	CMW-12-042315	4/23/2015	**<1.0**[11]	<0.41	**1,600**	**5.7**	<1.0	1.6	5.0
	DUP-2-042315[4]	4/23/2015	**<0.91**[11]	<0.41	**1,600**	**5.5**	<1.0	1.6	5.0
	CMW-12-112415	11/24/2015	<0.26	<0.41	420	1.9	<1.0	<1.0	<2.0
	CMW-120-112415[4]	11/24/2015	<0.26	<0.41	460	2.1	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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-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	**<0.60**[11]	<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
	CMW-13-042414	4/24/2014	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-102814	10/28/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-112415	11/24/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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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-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
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
MTCA Method A Cleanup Levels for Groundwater[9]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 3
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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-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
	CMW-25-042314	4/23/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-102814	10/28/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-112415	11/24/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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-26-102011	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
	CMW-26-042414	4/24/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-102914	10/29/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-042215	4/22/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-112315	11/23/2015	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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 Groundwater[9]			**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 November 2015
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
	CMW-27-042414	4/24/2014	0.42	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	DUP-1-042414[4]	4/24/2014	**0.55**	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-27-102914	10/29/2014	**1.2**[8]	<0.41	**1,200**	3.7	<1.0	11	11
	DUP-1-102914[4]	10/29/2014	**1.3**[8]	<0.41	**1,200**	4.1	<1.0	12	12
	CMW-27-042315	4/23/2015	**4.0**	<0.41	760[5]	<1.0	<1.0	5.8	22.2
	DUP-2-042315[4]	4/23/2015	**5.8**	<0.41	800[5]	<1.0	<1.0	6.1	23.3
	CMW-27-112415	11/24/2015	**2.9**[8]	<0.41	460	4.6	<1.0	9.3	7.2
	CMW-270-112415	11/24/2015	**2.9**[8]	<0.41	**930**[5]	3.6	<1.0	9.0	7.2
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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	**0.6**[8]	<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**	**0.59**[10]	<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
	CMW-28-042414	4/24/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-102914	10/29/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-042215	4/22/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-112415	11/24/2015	0.29	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
CHS Auburn Site
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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-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
	CMW-29-042314	4/23/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-102814	10/28/2014	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-042215	4/22/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-112315	11/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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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-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
MTCA Method A Cleanup Levels for Groundwater[9]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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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-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
	CMW-31-042314	4/23/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-102814	10/28/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-112315	11/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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
	HMW-9-042414	4/24/2014	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-102914	10/29/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-112315	11/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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
	HMW-10-042314	4/23/2014	<0.26	<0.41	250	1.8	<1.0	<1.0	<2.0
	HMW-10-102814	10/28/2014	<0.26	<0.41	120	1.6	<1.0	<1.0	<2.0
	HMW-10-042315	4/23/2015	0.29	<0.41	<100	<1.0	<1.0	<1.0	<1.0
	HMW-10-112414	11/24/2015	<0.26	<0.41	<100	1.3	<1.0	<1.0	<1.0
MTCA Method A Cleanup Levels for Groundwater[9]			**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 November 2015
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	**0.89**[8]	<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	<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	**<0.60**[11]	<0.46	**1,400**[5]	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	**0.58**[8]	<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	**<0.54**[11]	<0.41	**820**	2.4	<1.0	2.1	<2.0
	HMW-11-042414	4/24/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-11-102914	10/29/2014	<0.40[11]	<0.41	710	2.8	<1.0	<1.0	<2.0
	HMW-11-042315	4/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-11-112415	11/24/2015	<0.39[8,11]	<0.41	460	2.4	<1.0	<1.0	<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 Groundwater[9]			**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 November 2015
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**	**0.86**[10]	<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
	HMW-13-042314	4/23/2014	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-102814	10/28/2014	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-042215	4/22/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-112315	11/23/2015	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[9]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

NOTES:

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

Results in **bold** denote sample result or reporting limit exceeds applicable Washington State MTCA Method A cleanup levels for groundwater.

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

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

[4]Quality assurance/quality control duplicate sample.

[5]Hydrocarbons indicative of heavier fuels present in the sample that are impacting the gasoline result.

[6]Sample collected using disposable bailer.

[7]Duplicate sample analyzed at TestAmerica Laboratories Inc.

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

[9]MTCA 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.

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

[11]The 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

MTCA = Model Toxics Control Act Cleanup Regulation

ORO = TPH as oil-range organics

TPH = total petroleum hydrocarbons

APPENDIX A
LABORATORY ANALYTICAL REPORTS

NOVEMBER 2015 GROUNDWATER MONITORING REPORT
CHS Auburn Site
Auburn, Washington

Farallon PN: 301-004

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

December 2, 2015

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

Re: Analytical Data for Project 301-004
Laboratory Reference No. 1511-231

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on November 24, 2015.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: December 2, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-231
Project: 301-004

Case Narrative

Samples were collected on November 23, 2015 and received by the laboratory on November 24, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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: December 2, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-231
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-31-112315**					
Laboratory ID:	11-231-01					
Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Toluene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Gasoline	**ND**	100	NWTPH-Gx	11-24-15	11-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-111*				
Client ID:	**CMW-29-112315**					
Laboratory ID:	11-231-02					
Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Toluene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Gasoline	**ND**	100	NWTPH-Gx	11-24-15	11-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-111*				
Client ID:	**HMW-13-112315**					
Laboratory ID:	11-231-03					
Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Toluene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Gasoline	**ND**	100	NWTPH-Gx	11-24-15	11-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*71-111*				

Date of Report: December 2, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-231
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-8-112315**					
Laboratory ID:	11-231-04					
Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Toluene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Gasoline	**ND**	100	NWTPH-Gx	11-24-15	11-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-111*				
Client ID:	**CMW-26-112315**					
Laboratory ID:	11-231-05					
Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Toluene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Gasoline	**ND**	100	NWTPH-Gx	11-24-15	11-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*71-111*				
Client ID:	**HMW-9-112315**					
Laboratory ID:	11-231-07					
Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Toluene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Gasoline	**ND**	100	NWTPH-Gx	11-24-15	11-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*71-111*				

Date of Report: December 2, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-231
Project: 301-004

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1124W2					
Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Toluene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-24-15	11-24-15	
Gasoline	**ND**	100	NWTPH-Gx	11-24-15	11-24-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*71-111*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-214-04										
	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	
Surrogate:											
Fluorobenzene						*83*	*82*	*71-111*			
MATRIX SPIKES											
Laboratory ID:	11-230-04										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**48.8**	**48.7**	50.0	50.0	ND	**98**	**97**	83-123	0	15	
Toluene	**46.9**	**46.4**	50.0	50.0	ND	**94**	**93**	83-124	1	16	
Ethyl Benzene	**46.1**	**45.4**	50.0	50.0	ND	**92**	**91**	82-123	2	15	
m,p-Xylene	**46.8**	**45.6**	50.0	50.0	ND	**94**	**91**	81-125	3	17	
o-Xylene	**46.2**	**45.6**	50.0	50.0	ND	**92**	**91**	82-123	1	15	
Surrogate:											
Fluorobenzene						*93*	*93*	*71-111*			

Date of Report: December 2, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-231
Project: 301-004

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-31-112315**					
Laboratory ID:	11-231-01					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*100*	*50-150*				
Client ID:	**CMW-29-112315**					
Laboratory ID:	11-231-02					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**HMW-13-112315**					
Laboratory ID:	11-231-03					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				
Client ID:	**CMW-8-112315**					
Laboratory ID:	11-231-04					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				
Client ID:	**CMW-26-112315**					
Laboratory ID:	11-231-05					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**HMW-9-112315**					
Laboratory ID:	11-231-07					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Date of Report: December 2, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-231
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:	MB1130W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-231-07										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Surrogate:											
o-Terphenyl						*85*	*84*	*50-150*			

OnSite Environmental Inc.

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-napthalene) 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

Chain of Custody

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

Company: Farallon
Project Number: 301-004
Project Name: CHS Auburn
Project Manager: Paul Grabau
Sampled by: Jared Kerr & Andrew Taylor

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: 11-231

Lab ID	Sample Identification	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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A		HOLD				% Moisture
1	CMW-31-112315	11/23/15	1236	water	5		X		X																		
2	CMW-29-112315		1255																								
3	HMW-13-112315		1340																								
4	CMW-8-112315		1417																								
5	CMW-26-112315		1435																								
6	CMW-4-112315		1520				—	NO	—	NO													X				
7	HMW-9-112315		1531																								

	Signature	Company	Date	Time
Relinquished				
Received		COE	11/24/15	0945
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

Run silica-gel cleanup on diesel samples.

Send invoice to Jerry Eide (CHS).

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____

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

December 3, 2015

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

Re: Analytical Data for Project 301-004
Laboratory Reference No. 1511-238

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on November 24, 2015.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

Case Narrative

Samples were collected on November 24, 2015 and received by the laboratory on November 24, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-28-112415**					
Laboratory ID:	11-238-01					
Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Toluene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Gasoline	**ND**	100	NWTPH-Gx	11-30-15	11-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*71-111*				
Client ID:	**CMW-25-112415**					
Laboratory ID:	11-238-02					
Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Toluene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Gasoline	**ND**	100	NWTPH-Gx	11-30-15	11-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*71-111*				
Client ID:	**HMW-10-112415**					
Laboratory ID:	11-238-03					
Benzene	**1.3**	1.0	EPA 8021B	12-1-15	12-1-15	
Toluene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
o-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Gasoline	**ND**	100	NWTPH-Gx	12-1-15	12-1-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*71-111*				

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-10-112415**					
Laboratory ID:	11-238-04					
Benzene	**1.4**	1.0	EPA 8021B	12-1-15	12-1-15	
Toluene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
m,p-Xylene	**13**	1.0	EPA 8021B	12-1-15	12-1-15	
o-Xylene	**1.3**	1.0	EPA 8021B	12-1-15	12-1-15	
Gasoline	**980**	100	NWTPH-Gx	12-1-15	12-1-15	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*71-111*				
Client ID:	**CMW-120-112415**					
Laboratory ID:	11-238-05					
Benzene	**2.1**	1.0	EPA 8021B	11-30-15	11-30-15	
Toluene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Gasoline	**460**	100	NWTPH-Gx	11-30-15	11-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*71-111*				
Client ID:	**CMW-270-112415**					
Laboratory ID:	11-238-06					
Benzene	**3.6**	1.0	EPA 8021B	12-1-15	12-1-15	
Toluene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Ethyl Benzene	**9.0**	1.0	EPA 8021B	12-1-15	12-1-15	
m,p-Xylene	**7.2**	1.0	EPA 8021B	12-1-15	12-1-15	
o-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Gasoline	**930**	100	NWTPH-Gx	12-1-15	12-1-15	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*71-111*				

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-13-112415**					
Laboratory ID:	11-238-07					
Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Toluene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Gasoline	**ND**	100	NWTPH-Gx	11-30-15	11-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*71-111*				
Client ID:	**HMW-11-112415**					
Laboratory ID:	11-238-08					
Benzene	**2.4**	1.0	EPA 8021B	12-1-15	12-1-15	
Toluene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
o-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Gasoline	**460**	100	NWTPH-Gx	12-1-15	12-1-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*71-111*				
Client ID:	**CMW-12-112415**					
Laboratory ID:	11-238-09					
Benzene	**1.9**	1.0	EPA 8021B	11-30-15	11-30-15	
Toluene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Gasoline	**420**	100	NWTPH-Gx	11-30-15	11-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*71-111*				

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-27-112415**					
Laboratory ID:	11-238-10					
Benzene	**4.6**	1.0	EPA 8021B	12-1-15	12-1-15	
Toluene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Ethyl Benzene	**9.3**	1.0	EPA 8021B	12-1-15	12-1-15	
m,p-Xylene	**7.2**	1.0	EPA 8021B	12-1-15	12-1-15	
o-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Gasoline	**460**	100	NWTPH-Gx	12-1-15	12-1-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*71-111*				

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1130W1					
Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Toluene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-30-15	11-30-15	
Gasoline	**ND**	100	NWTPH-Gx	11-30-15	11-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*71-111*				
Laboratory ID:	MB1201W1					
Benzene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Toluene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
o-Xylene	**ND**	1.0	EPA 8021B	12-1-15	12-1-15	
Gasoline	**ND**	100	NWTPH-Gx	12-1-15	12-1-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*71-111*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-229-31										
	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	
Surrogate:											
Fluorobenzene						*96*	*94*	*71-111*			
MATRIX SPIKES											
Laboratory ID:	11-229-31										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**51.8**	**51.3**	50.0	50.0	ND	**104**	**103**	83-123	1	15	
Toluene	**49.3**	**49.3**	50.0	50.0	ND	**99**	**99**	83-124	0	16	
Ethyl Benzene	**48.4**	**47.9**	50.0	50.0	ND	**97**	**96**	82-123	1	15	
m,p-Xylene	**48.5**	**49.2**	50.0	50.0	ND	**97**	**98**	81-125	1	17	
o-Xylene	**48.4**	**48.0**	50.0	50.0	ND	**97**	**96**	82-123	1	15	
Surrogate:											
Fluorobenzene						*96*	*92*	*71-111*			

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-28-112415**					
Laboratory ID:	11-238-01					
Diesel Range Organics	**0.29**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Client ID:	**CMW-25-112415**					
Laboratory ID:	11-238-02					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**HMW-10-112415**					
Laboratory ID:	11-238-03					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				
Client ID:	**CMW-10-112415**					
Laboratory ID:	11-238-04					
Diesel Range Organics	**2.0**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1,M
Lube Oil	**0.41**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				
Client ID:	**CMW-120-112415**					
Laboratory ID:	11-238-05					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*109*	*50-150*				
Client ID:	**CMW-270-112415**					
Laboratory ID:	11-238-06					
Diesel Range Organics	**2.9**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1,M
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*109*	*50-150*				

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
Project: 301-004

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-13-112415**					
Laboratory ID:	11-238-07					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				
Client ID:	**HMW-11-112415**					
Laboratory ID:	11-238-08					
Diesel Range Organics	**ND**	0.39	NWTPH-Dx	11-30-15	11-30-15	U1,X1,M1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				
Client ID:	**CMW-12-112415**					
Laboratory ID:	11-238-09					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				
Client ID:	**CMW-27-112415**					
Laboratory ID:	11-238-10					
Diesel Range Organics	**2.9**	0.26	NWTPH-Dx	11-30-15	11-30-15	X1,M
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				

Date of Report: December 3, 2015
Samples Submitted: November 24, 2015
Laboratory Reference: 1511-238
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:	MB1130W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	11-30-15	11-30-15	X1
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	11-30-15	11-30-15	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-238-01										
	ORIG	DUP									
Diesel Range Organics	**0.287**	**0.280**	NA	NA		NA		NA	2	NA	X1
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Surrogate:											
o-Terphenyl						*91*	*88*	*50-150*			

OnSite Environmental Inc.

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-napthalene) 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

Chain of Custody

Page 1 of 1

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

Laboratory Number: 11-238

Company: FARALLON
Project Number: 301-004
Project Name: CHS AUBURN
Project Manager: PAUL GRABAU
Sampled by: ANDREW T. + JARED K.

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	CMW-28-112415	11/24/15	8:25	H_2O	5		X		X													
2	CMW-25-112415	11/24/15	9:50	H_2O	5		X		X													
3	HMW-10-112415	11/24/15	10:50	H_2O	5		X		X													
4	CMW-10-112415	11/24/15	11:50	H_2O	5		X		X													
5	CMW-120-112415	11/24/15	0835		5																	
6	CMW-270-112415		0908																			
7	CMW-13-112415		0851																			
8	HMW-11-112415		1030																			
9	CMW-12-112415		1132																			
10	CMW-27-112415		1240																			

	Signature	Company	Date	Time
Relinquished		Farallon	11/24/15	1516
Received			11/24/15	1576
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions
RUN SILICA GEL CLEAN UP ON DX SAMPLES

SEND INVOICE TO JERRY EIDE (CHS)

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____