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NOVEMBER 2016 GROUNDWATER MONITORING REPORT

CHS AUBURN SITE
AUBURN, WASHINGTON

Submitted by:
Farallon Consulting, L.L.C.
Cornwall Plaza Building
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Farallon PN: 301-004

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

March 15, 2017

Prepared by:

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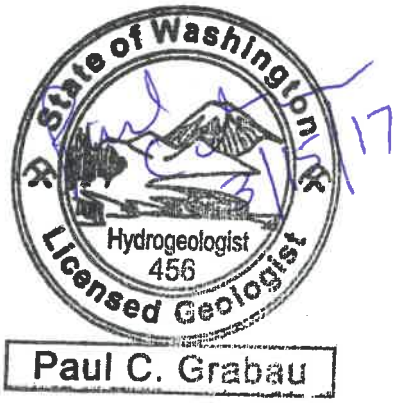
Principal Hydrogeologist



Reviewed by:

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 29 and 30, 2016 at the CHS Auburn site in Auburn, Washington (herein referred to as the Site). This 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. The Site name is listed on the Washington State Department of Ecology (Ecology) Confirmed and Suspected Contaminated Sites List database as Cenex Valley Supply Coop, and has been assigned Site Identification No. 2487.

Periodic groundwater monitoring is being conducted during development of a Cleanup Action Plan for the Site. The Remedial Investigation/Feasibility Study for the Site was completed 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 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 2015). The Draft Cleanup Action Plan for the Site is currently being finalized by Ecology and will be submitted for public review and comment once completed.

The scope of work for the November 2016 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.

This report is organized as follows:

- Section 2 describes the field methods and sampling protocols used for the November 2016 groundwater monitoring event at the Site;
- Section 3 presents the results of the November 2016 groundwater monitoring event at the Site;
- Section 4 provides a summary of Central/Perimeter air sparging (AS) system operation and maintenance activities conducted at the Site since May 2016;
- 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; and
- 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 2016 monitoring and sampling event at the Site.

2.1 SAMPLING PROTOCOLS

Groundwater samples were collected at the Site on November 29 and 30, 2016 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 29, 2016 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 2016 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 YSI Model ProDSS 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 2016 groundwater monitoring event, groundwater samples were collected from monitoring wells CMW-2, 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 intended to be collected from monitoring wells CMW-12 and CMW-27 for quality assurance/quality control (QA/QC) purposes, but were inadvertently not collected. Monitoring wells CMW-4, CMW-6, CMW-15, and CMW-30 were monitored for water-level elevations and dissolved-oxygen content only. 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 2016 groundwater monitoring event conducted at the Site.

3.1 GROUNDWATER ELEVATIONS

Groundwater elevations measured in the Site monitoring wells during the November 2016 monitoring event ranged from 68.30 feet above mean sea level in monitoring well CMW-30 to 66.92 feet above mean sea level in monitoring well CMW-8 (Table 1). Groundwater elevation contours based on the measured elevations on November 29, 2016 are shown on Figure 3. The groundwater flow direction was northeast, with an average gradient of 0.0017 foot per foot. Groundwater elevations measured in November 2016 were approximately 1.75 feet lower on average than those measured during the previous monitoring event in May 2016 (Farallon 2016). The observed seasonal trend of higher groundwater elevations in April and May and lower water elevations during October or November monitoring events is consistent with measurements obtained during previous monitoring events at the Site.

3.2 SITE-WIDE MONITORING ANALYTICAL RESULTS

The analytical results for the November 2016 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 report for the November 2016 monitoring event is included in Appendix A.

3.2.1 Total Petroleum Hydrocarbons as Gasoline-Range Organics

GRO was detected at a concentration exceeding the MTCA Method A screening level of 800 micrograms per liter (µg/l) in the groundwater sample collected from 1 of the 15 monitoring wells sampled during the November 2016 monitoring event (Table 3). GRO was detected at a concentration of 1,000 µg/l in the sample collected from monitoring well HMW-11. The analytical results for GRO for the November 2016 groundwater monitoring event are presented on Figure 4.

3.2.2 Benzene, Toluene, Ethylbenzene, and Xylenes

No BTEX constituents were detected at concentrations exceeding MTCA Method A screening levels in samples collected during the November 2016 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 15 monitoring wells sampled during the November 2016 monitoring event (Table 3). DRO was detected at a concentration of 0.61 mg/l in the sample collected from monitoring well HMW-11 and at a

concentration of 1.5 mg/l in the sample collected from monitoring well CMW-27. The analytical results for DRO for the November 2016 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 or the laboratory practical quantitation limits in samples collected and analyzed during the November 2016 monitoring event (Table 3).

3.2.5 Groundwater Geochemical Parameters

The groundwater geochemical parameters measured in the field during the November 2016 monitoring event included pH, ORP, and dissolved-oxygen content. The results for these geochemical parameters for the November 2016 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 2016 groundwater monitoring event ranged from -57.0 millivolts at monitoring well HMW-11 to 291.9 millivolts at monitoring well HMW-13.

3.2.5.2 pH

The pH measurements for groundwater samples collected during the November 2016 monitoring event ranged from 5.84 pH units at monitoring well CMW-29 to 6.73 pH units at monitoring well CMW-2.

3.2.5.3 Dissolved Oxygen

The dissolved-oxygen readings measured at the Site on November 29, 2016 ranged from 0.28 mg/l in monitoring well CMW-8 to 8.01 mg/l in monitoring well CMW-2.

3.3 DATA VALIDATION

Farallon reviewed the analytical data package provided by OnSite for sample delivery group 1611-276. The laboratory analytical report for the samples analyzed by OnSite is provided in Appendix A. The groundwater samples from sample delivery group 1611-276 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 2016 monitoring event, the groundwater analytical results are acceptable for use in characterizing groundwater quality at the Site relative to the groundwater quality screening levels used for comparative purposes in this report.

4.0 TREATMENT SYSTEM OPERATION AND MAINTENANCE

This section provides a summary of the operation and maintenance activities conducted on the Central/Perimeter AS system at the Site since May 2016.

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 May 2016. Airflows to the individual AS wells were rebalanced during each system inspection. No significant irregularities were noted during the operation and maintenance inspections conducted from May through November 2016, with the exception of restricted airflows in AS wells CAS-1 and CAS-13, which have been observed previously.

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 of approximately 0.5 scfm or less typically are observed in AS wells CAS-1 and CAS-13.

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 beginning in September 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).

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 2016 monitoring event varied relative to the May 2016 monitoring event (Farallon 2016) as follows:

- DRO, GRO, benzene, ethylbenzene, and xylenes concentrations decreased in groundwater samples collected from monitoring well CMW-12 between the May and November 2016 monitoring events. None of the constituents analyzed was detected at concentrations exceeding MTCA Method A screening levels at this location during the November 2016 monitoring event.
- GRO, ethylbenzene, and xylenes concentrations increased in groundwater samples collected from monitoring well CMW-27 between the May and November 2016 monitoring events, whereas DRO and toluene concentrations decreased. DRO was the only constituent detected at a concentration exceeding MTCA Method A screening levels at this location during the May and November 2016 monitoring events.
- DRO and GRO concentrations increased in groundwater samples collected from monitoring well HMW-11 between the May and November 2016 monitoring events. DRO and GRO concentrations increased from less than the laboratory practical quantitation limits during the May 2016 monitoring event to exceeding MTCA Method A screening levels in November 2016.

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.

The distribution of dissolved oxygen measured in groundwater in November 2016 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 4.00 mg/l was measured in monitoring well CMW-4 during the November 2016 monitoring event. The dissolved-oxygen concentration of 5.57 mg/l measured in monitoring well CMW-25 may also represent background conditions as the

well is up-gradient of the active AS wells. 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. This finding is consistent with previous monitoring events and suggests that microbial degradation of constituents of concern is occurring in this area of the Site.

6.0 ONGOING AND PLANNED ACTIVITIES

The Cleanup Action Plan for the Site currently is in preparation by Ecology. The next semiannual groundwater monitoring event is planned for May 2017, but the timing may be contingent on completion of the Cleanup Action Plan and implementation of the cleanup action construction activities. Operation and maintenance activities for the AS system are ongoing on a monthly to bi-monthly basis. 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.

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

———. 2016. *May 2016 Groundwater Monitoring Report, CHS Auburn Site, Auburn Washington.* Prepared for CHS Inc., Stevensville, Montana. August 26.

FIGURES

NOVEMBER 2016 GROUNDWATER MONITORING REPORT
CHS Auburn Site
Auburn, Washington

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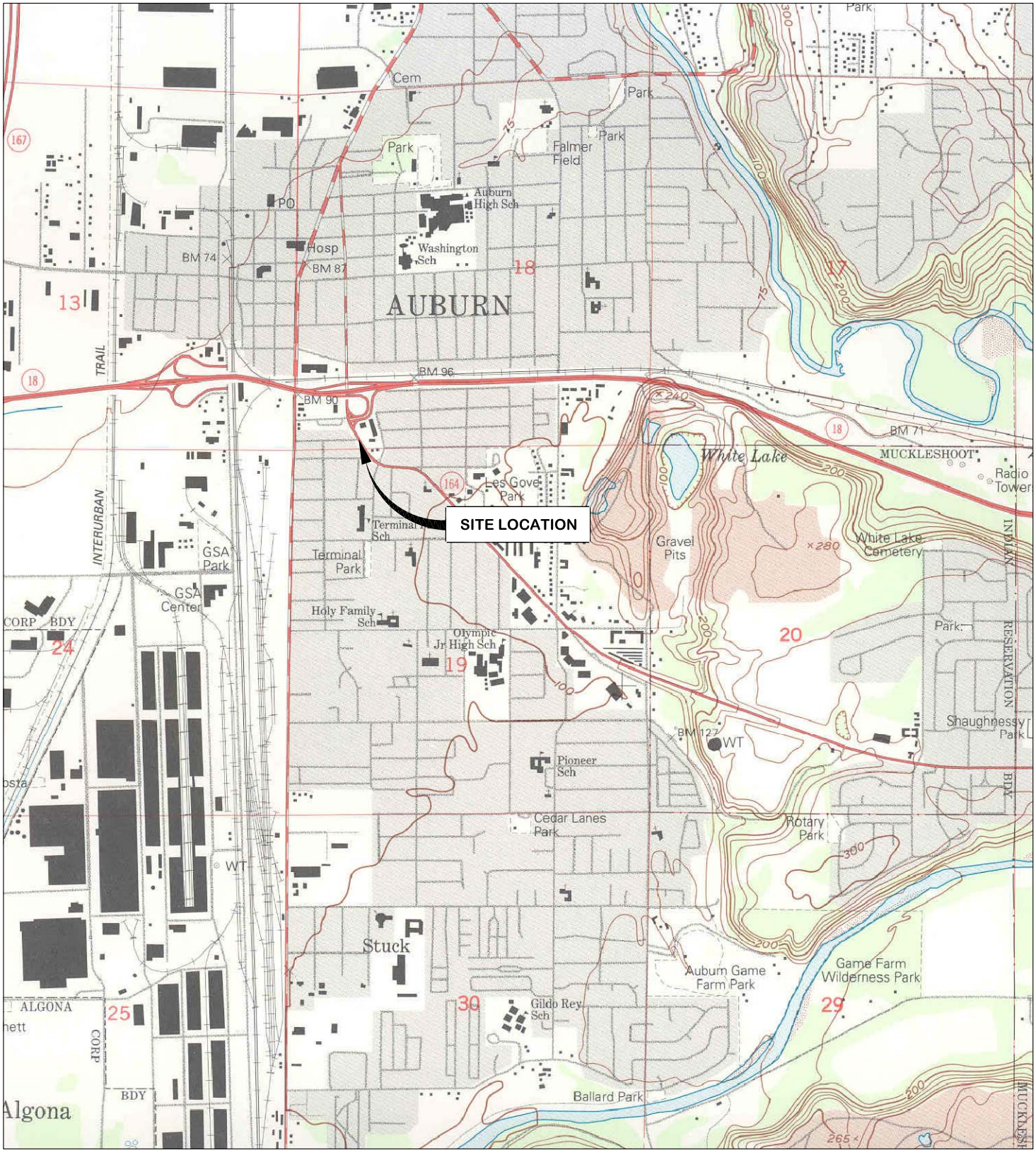

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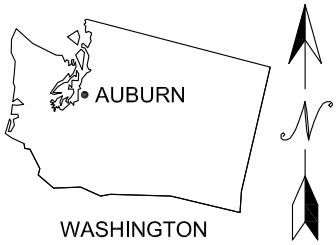

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FIGURE 1

SITE VICINITY MAP
CHS AUBURN SITE
AUBURN, WASHINGTON

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STATE ROUTE - 18

AUBURN WAY SOUTH

6TH STREET SE

7th STREET SE

8th STREET SE

6TH STR

7TH S

8TH S

FIRE HOUSE SQUARE

D STREET SE

C STREET SE

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-8 HMW-10 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 AS-1 AS-14 SV-2 SV-14 HMW-13 SV-1 SV-15 SV-16 AS-15 SV-3 AS-13 AS-16 SV-13 CMW-4 CMW-29 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

CMW-19

CMW-32

CMW-17

CMW-21

6TH STREET SE

CMW-15
(66.97)

CMW-8
(66.92)

67.0

67.0

CMW-31
(67.04)

FIRE HOUSE SQUARE

SCHUCKS

CMW-5

HMW-9
(67.13)

67.2

AUBURN WAY SOUTH

67.4

7TH STREET SE

CMW-18

D STREET SE

HMW-10
(67.30)

CMW-12
(67.45)

CRW-2

HMW-11

67.6

7th STREET SE

MCDONALD'S

67.2

CMW-27
(67.65)

67.8

WSIADA

CMW-6
(67.24)

CMW-13
(67.56)

CMW-2
(67.92)

8TH STREET SE

CMW-10

CRW-1

CMW-11

67.4

THAI RESTAURANT

68.0

CMW-25

CMW-28
(67.85)

67.6

67.8

8th STREET SE

HMW-13
(68.04)

CMW-4
(68.08)

68.0

CMW-29
(68.12)

CMW-26
(68.09)

BIG-O TIRES

68.2

68.2

CMW-3

CHS AUBURN FACILITY

CMW-30
(68.30)

CHS MAIN BUILDING

CMW-24

C STREET SE

HMW-14

0 100

APPROXIMATE SCALE IN FEET

LEGEND

CMW-25 — CHS MONITORING WELL

HMW-13 — HILLMAN MONITORING WELL

(68.30) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

67.0 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

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FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
NOVEMBER 29, 2016
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
590

CRW-2

HMW-11
1,000

CMW-6

CMW-27
750

CMW-13
<100

CMW-2
<100

CMW-10
<100

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 2016
GROUNDWATER ANALYTICAL RESULTS FOR GRO
CHS AUBURN SITE
AUBURN, WASHINGTON

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STATE ROUTE - 18

AUBURN WAY SOUTH

6TH STREET SE

7th STREET SE

8th STREET SE

6TH STREE

7TH STRE

8TH STR

D STREET SE

C STREET SE

AUBURN WAY SOUTH

FIRE HOUSE SQUARE

SCHUCKS

MCDONALD'S

WSIADA

THAI RESTAURANT

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 <0.26

CMW-31 <0.26

CMW-5

HMW-9 <0.26

CMW-18

HMW-10 <0.26

CMW-12 0.38

CRW-2

HMW-11 0.61

CMW-6

CMW-27 **1.5**

CMW-13 <0.25

CMW-2 <0.26

CMW-10 <0.26

CRW-1

CMW-11

CMW-25 <0.26

CMW-28 <0.25

HMW-13 <0.26

CMW-4

CMW-29 <0.26

CMW-26 <0.25

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

<0.26 = 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

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FIGURE 5

NOVEMBER 2016
GROUNDWATER ANALYTICAL RESULTS FOR DRO
CHS AUBURN SITE
AUBURN, WASHINGTON

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TABLES

NOVEMBER 2016 GROUNDWATER MONITORING REPORT
CHS Auburn Site
Auburn, Washington

Farallon PN: 301-004

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2016
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
		5/4/2016	19.19	69.71
		11/29/2016	20.98	67.92
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
		5/4/2016	20.59	70.09
		11/29/2016	22.60	68.08

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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-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
		5/4/2016	21.73	68.93
		11/29/2016	23.42	67.24
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
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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-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
		5/4/2016	21.29	68.65
		11/29/2016	23.02	66.92
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
		5/4/2016	19.79	NS
		11/29/2016	21.40	NS

Table 1
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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
		5/4/2016	20.81	69.21
		11/29/2016	22.57	67.45

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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
		5/4/2016	20.41	69.26
		11/29/2016	22.11	67.56
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
		5/4/2016	18.47	68.75
		11/29/2016	20.25	66.97

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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
		5/4/2016	19.65	NS
		11/29/2016	21.42	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
		5/4/2016	18.01	69.79
		11/29/2016	19.71	68.09
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
		5/4/2016	19.58	69.52
		11/29/2016	21.45	67.65

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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
		5/4/2016	19.89	69.59
		11/29/2016	21.63	67.85
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
		5/4/2016	18.20	69.83
		11/29/2016	19.91	68.12

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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
		5/4/2016	17.60	69.98
		11/29/2016	19.28	68.30
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
		5/4/2016	20.21	68.81
		11/29/2016	21.98	67.04

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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-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
		5/4/2016	20.22	68.85
		11/29/2016	21.94	67.13

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

Well Identification	Elevation Top of Well Casing (feet)[1]	Measurement Date	Depth to Water (feet)[2]	Elevation (feet)[1]
HMW-10	89.18	6/16/2008	22.42	66.76
		9/30/2008	26.24	62.94
		12/29/2008	23.57	65.61
		3/18/2009	22.45	66.73
		10/27/2009	26.40	62.78
		1/28/2010	21.19	67.99
		4/19/2010	21.99	67.19
		7/19/2010	22.51	66.67
		10/20/2010	24.85	64.33
		1/24/2011	19.23	69.95
		4/25/2011	18.73	70.45
		7/18/2011	22.15	67.03
		10/20/2011	24.90	64.28
		4/26/2012	19.60	69.58
		10/31/2012	24.39	64.79
		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
		5/4/2016	20.10	69.08
		11/29/2016	21.88	67.30
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
		5/4/2016	18.22	NS
		11/29/2016	19.96	NS

Table 1
Summary of Groundwater Elevation Data – June 2008 through November 2016
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
		5/4/2016	18.51	69.81
		11/29/2016	20.28	68.04

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 2016
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
	5/4/2016	14.71	7.08	84.7	9.60
	11/29/2016	14.7	6.73	130.5	8.01
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
	5/4/2016	—	—	—	4.95
	11/29/2016	—	—	—	4.00

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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-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	—	—	—	—
	5/4/2016				4.48
	11/29/2016	—	—	—	1.87
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
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
	5/4/2016	13.88	6.05	-209.9	0.65
	11/29/2016	12.9	6.38	-23.7	0.28

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
CHS Auburn Site
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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
	5/4/2016	15.83	6.23	-116.7	3.62
	11/30/2016	14.8	6.26	124.7	1.48
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
	5/4/2016	16.08	6.16	-242.9	0.13
	11/30/2016	12.8	6.35	14.3	0.29

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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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
	5/4/2016	14.13	5.98	11.8	0.95
	11/30/2016	13.1	5.99	18.8	0.63
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
	5/4/2016	—	—	—	0.70
	11/29/2016	—	—	—	0.43

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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-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
	5/4/2016	13.24	5.64	139.6	3.44
	11/29/2016	14.0	5.94	144.9	5.57
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
	5/4/2016	14.01	5.72	72.3	5.80
	11/30/2016	11.0	6.21	149.5	3.94

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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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
	5/4/2016	16.55	6.13	-56.4	0.38
	11/30/2016	14.2	6.14	-3.4	0.38
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
	5/4/2016	13.79	5.37	-99.1	4.10
	11/30/2016	14.0	6.14	146.0	7.97

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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-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
	5/4/2016	14.14	6.02	85.9	0.70
	11/30/2016	13.1	5.84	282.0	2.82
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
	5/4/2016	—	—	—	0.24
	11/29/2016	—	—	—	0.32

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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
	5/4/2016	14.50	5.60	-86.6	1.28
	11/29/2016	13.7	5.99	153.7	3.33
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
	5/4/2016	14.47	6.03	-159.0	1.50
	11/29/2016	14.2	6.27	3.7	0.35

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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
	5/4/2016	14.84	6.10	-235.1	0.52
	11/29/2016	13.6	6.17	-5.4	0.33
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
	5/4/2016	14.85	6.00	113.0	0.17
	11/30/2016	13.8	6.21	-57.0	0.37

Table 2
Summary of Groundwater Geochemical Data – June 2008 through November 2016
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
	5/4/2016	13.71	5.71	119.8	0.35
	11/30/2016	12.4	6.05	291.9	0.40

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 2016
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
	CMW-2-050516	5/5/2016	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-112916	11/29/2016	<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 2016
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 2016
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 2016
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
	CMW-8-050416	5/4/2016	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-112916	11/29/2016	<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 2016
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
	CMW-10-050516	5/5/2016	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW-10-113016	11/30/2016	<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
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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-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 2016
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
	CMW-12-050516	5/5/2016	**0.90**[8]	<0.41	**1,600**	**5.4**	<1.0	2.8	6.7
	QA/QC-1-050516[4]	5/5/2016	0.81[8]	<0.41	**1,700**	**5.8**	<1.0	2.9	7.2
	CMW-12-113016	11/30/2016	0.38[8]	<0.41	590	<4.0	<4.0	<4.0	<8.0
MTCA Method A Cleanup Levels for Groundwater[9]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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Auburn, Washington
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Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
CMW-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
	CMW-13-050516	5/5/2016	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-113016	11/30/2016	<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**

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			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
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through November 2016
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-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
	CMW-25-050416	5/4/2016	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-112916	11/29/2016	<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 2016
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
	CMW-26-050416	5/4/2016	<0.27	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-113016	11/30/2016	<0.25	<0.40	<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 2016
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 2016
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[4]	11/24/2015	**2.9**[8]	<0.41	**930**[5]	3.6	<1.0	9.0	7.2
	CMW-27-050516	5/5/2016	**2.9**	<0.45	<400	<4.0	27	<4.0	<8.0
	QA/QC-2-050516[4]	5/5/2016	**2.8**	<0.41	<400	<4.0	26	<4.0	<8.0
	CMW-27-113016	11/30/2016	**1.5**[8]	<0.42	750	<4.0	<4.0	6.0	5.0
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 2016
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
	CMW-28-050516	5/5/2016	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-113016	11/30/2016	<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
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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-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
	CMW-29-050416	5/4/2016	<0.26	<0.42	<400	<4.0	<4.0	<4.0	8.2
	CMW-29-113016	11/30/2016	<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 2016
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
CMW-30	CMW30-061608	6/16/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-100108	10/1/2008	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-123008	12/30/2008	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-031909	3/19/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-102809	10/28/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-012610	1/26/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW30-042010	4/20/2010	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-072010	7/20/2010	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-102110	10/21/2010	<0.30	<0.47	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-042611	4/26/2011	<0.29	<0.46	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-071911	7/19/2011	<0.25	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-30-102011	10/20/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
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 2016
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
CMW-31	CMW31-061608	6/16/2008	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-100208	10/2/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-123108	12/31/2008	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-032009	3/20/2009	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-102909	10/29/2009	**0.53**	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-012710	1/27/2010	<0.25	<0.40	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-042010	4/20/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-072010	7/20/2010	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-102210	10/22/2010	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-012511	1/25/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-042611	4/26/2011	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-071911	7/19/2011	<0.27	<0.44	<100	<1.0	<1.0	<1.0	<2.0
	CMW31-102011	10/20/2011	<0.28	<0.45	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-042612	4/26/2012	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-110112	11/1/2012	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-042213	4/22/2013	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-102213	10/22/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	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
	CMW-31-050416	5/4/2016	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-112916	11/29/2016	<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 2016
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
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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]
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
	HMW-9-050416	5/4/2016	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-112916	11/29/2016	<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 2016
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
	HMW-10-050416	5/4/2016	<0.26	<0.41	<400	<4.0	<4.0	<4.0	<8.0
	HMW-10-112916	11/29/2016	<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 2016
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-11-050516	5/5/2016	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	HMW-11-113016	11/30/2016	**0.61**[8]	<0.41	**1,000**	<4.0	<4.0	<4.0	<8.0
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
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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]
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
	HMW-13-050416	5/4/2016	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-113016	11/30/2016	<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 REPORT

NOVEMBER 2016 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 9, 2016

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

Re: Analytical Data for Project 301-004
Laboratory Reference No. 1611-276

Dear Paul:

Enclosed are the analytical results and associated quality control data for samples submitted on November 30, 2016.

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 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

Case Narrative

Samples were collected on November 29 and 30, 2016 and received by the laboratory on November 30, 2016. 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 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-31-112916**					
Laboratory ID:	11-276-01					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*61-118*				
Client ID:	**HMW-10-112916**					
Laboratory ID:	11-276-02					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-118*				
Client ID:	**CMW-8-112916**					
Laboratory ID:	11-276-03					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*61-118*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HMW-9-112916**					
Laboratory ID:	11-276-04					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*61-118*				
Client ID:	**CMW-25-112916**					
Laboratory ID:	11-276-05					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-118*				
Client ID:	**CMW-2-112916**					
Laboratory ID:	11-276-06					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*61-118*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-29-113016**					
Laboratory ID:	11-276-07					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-118*				
Client ID:	**CMW-26-113016**					
Laboratory ID:	11-276-08					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-118*				
Client ID:	**HMW-13-113016**					
Laboratory ID:	11-276-09					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*61-118*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-13-113016**					
Laboratory ID:	11-276-10					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*61-118*				
Client ID:	**CMW-28-113016**					
Laboratory ID:	11-276-11					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-118*				
Client ID:	**CMW-12-113016**					
Laboratory ID:	11-276-12					
Benzene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**590**	400	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-118*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-10-113016**					
Laboratory ID:	11-276-13					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*61-118*				
Client ID:	**HMW-11-113016**					
Laboratory ID:	11-276-14					
Benzene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	4.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**1000**	400	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-118*				
Client ID:	**CMW-27-113016**					
Laboratory ID:	11-276-15					
Benzene	**ND**	4.0	EPA 8021B	12-7-16	12-7-16	
Toluene	**ND**	4.0	EPA 8021B	12-7-16	12-7-16	
Ethyl Benzene	**6.0**	4.0	EPA 8021B	12-7-16	12-7-16	
m,p-Xylene	**5.0**	4.0	EPA 8021B	12-7-16	12-7-16	
o-Xylene	**ND**	4.0	EPA 8021B	12-7-16	12-7-16	
Gasoline	**750**	400	NWTPH-Gx	12-7-16	12-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*61-118*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1206W1					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*61-118*				
Laboratory ID:	MB1206W2					
Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Toluene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-6-16	12-6-16	
Gasoline	**ND**	100	NWTPH-Gx	12-6-16	12-6-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*61-118*				
Laboratory ID:	MB1207W1					
Benzene	**ND**	1.0	EPA 8021B	12-7-16	12-7-16	
Toluene	**ND**	1.0	EPA 8021B	12-7-16	12-7-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-7-16	12-7-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-7-16	12-7-16	
o-Xylene	**ND**	1.0	EPA 8021B	12-7-16	12-7-16	
Gasoline	**ND**	100	NWTPH-Gx	12-7-16	12-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*61-118*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-276-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*84*	*81*	*61-118*			
Laboratory ID:	11-276-04										
	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						*81*	*80*	*61-118*			
SPIKE BLANKS											
Laboratory ID:	SB1206W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**47.2**	**47.7**	50.0	50.0		**94**	**95**	79-120	1	11	
Toluene	**47.4**	**47.9**	50.0	50.0		**95**	**96**	79-118	1	12	
Ethyl Benzene	**47.6**	**48.0**	50.0	50.0		**95**	**96**	80-117	1	12	
m,p-Xylene	**47.8**	**48.1**	50.0	50.0		**96**	**96**	80-117	1	12	
o-Xylene	**47.9**	**48.5**	50.0	50.0		**96**	**97**	80-116	1	11	
Surrogate:											
Fluorobenzene						*85*	*84*	*61-118*			

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-31-112916**					
Laboratory ID:	11-276-01					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*119*	*50-150*				
Client ID:	**HMW-10-112916**					
Laboratory ID:	11-276-02					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*128*	*50-150*				
Client ID:	**CMW-8-112916**					
Laboratory ID:	11-276-03					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*123*	*50-150*				
Client ID:	**HMW-9-112916**					
Laboratory ID:	11-276-04					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*126*	*50-150*				
Client ID:	**CMW-25-112916**					
Laboratory ID:	11-276-05					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*124*	*50-150*				
Client ID:	**CMW-2-112916**					
Laboratory ID:	11-276-06					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-29-113016**					
Laboratory ID:	11-276-07					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*50-150*				
Client ID:	**CMW-26-113016**					
Laboratory ID:	11-276-08					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				
Client ID:	**HMW-13-113016**					
Laboratory ID:	11-276-09					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*50-150*				
Client ID:	**CMW-13-113016**					
Laboratory ID:	11-276-10					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*122*	*50-150*				
Client ID:	**CMW-28-113016**					
Laboratory ID:	11-276-11					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*116*	*50-150*				
Client ID:	**CMW-12-113016**					
Laboratory ID:	11-276-12					
Diesel Range Organics	**0.38**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1,M
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*112*	*50-150*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
Project: 301-004

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CMW-10-113016**					
Laboratory ID:	11-276-13					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				
Client ID:	**HMW-11-113016**					
Laboratory ID:	11-276-14					
Diesel Range Organics	**0.61**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1,M
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				
Client ID:	**CMW-27-113016**					
Laboratory ID:	11-276-15					
Diesel Range Organics	**1.5**	0.26	NWTPH-Dx	12-8-16	12-8-16	X1,M
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*101*	*50-150*				

Date of Report: December 9, 2016
Samples Submitted: November 30, 2016
Laboratory Reference: 1611-276
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:	MB1208W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	12-8-16	12-8-16	X1
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	12-8-16	12-8-16	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-276-01										
	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						*119*	*117*	*50-150*			
Laboratory ID:	11-276-11										
	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						*116*	*122*	*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: A. Burns / M. Bowser

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: 11-276

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-31-112916	11-29-16	14:05	Water	5		X		X																		
2	HMW-10-112916		14:30																								
3	CMW-8-112916		15:00																								
4	HMW-9-112916		15:29																								
5	CMW-25-112916		16:30																								
6	CMW-2-112916		14:35																								
7	CMW-29-113016	11-30-16	8:22																								
8	CMW-26-113016		8:33																								
9	HMW-13-113016		9:10																								
10	CMW-13-113016		10:20																								

	Signature	Company	Date	Time
Relinquished	A. Burns	Farallon	11-30-16	15:38
Received		CORE	11/30/16	1800
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Bill to CHS attention Jerry Eide.
Data goes to Paul Grabau.
Please run silica gel clean up on the NWTPH-Dx analyses.

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

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: A. Burns / M. Bowser

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: 11-276

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
11	CMW-28-113016	11-30-16	9:20	Water	5		X		X													
12	CMW-12-113016		10:44																			
13	CMW-10-113016		12:04																			
14	HMW-14-113016		12:25																			
15	CMW-27-113016		13:07																			

AB

	Signature	Company	Date	Time
Relinquished	A. Burns	Farallon	11-30-16	15:28
Received			11/30/16	1800
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

See Page 1.

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____