PERFORMANCE MONITORING PLAN

CHS AUBURN SITE
AUBURN, WASHINGTON
FACILITY SITE NO. 2487
CONSENT DECREE NO. 18-2-15430-8

Submitted by:
Farallon Consulting, L.L.C.
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1201 Cornwall Avenue, Suite 105
Bellingham, Washington 98225

Farallon PN: 301-004

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

December 17, 2018

Prepared by:

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1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this performance monitoring plan on behalf of CHS Inc. (CHS) to provide details regarding the groundwater monitoring and air sparge (AS)/soil vapor extraction (SVE) system monitoring activities to be conducted for the CHS Auburn facility at 238 8th Street Southeast in Auburn, Washington (CHS Auburn Facility) and contiguous areas where concentrations of petroleum hydrocarbons and related compounds in soil or groundwater exceed applicable cleanup levels from releases at the CHS Auburn Facility (herein referred to as the Site). The performance monitoring plan is a component of the cleanup action as described in the *Final Cleanup Action Plan, CHS Auburn Site, 238 8th Street Southeast and Contiguous Areas, Auburn, Washington* dated May 8, 2018, prepared by the Washington State Department of Ecology (Ecology) (Ecology 2018), Exhibit B of Consent Decree No. 18-2-15430-8 between Ecology and CHS with an effective date of June 20, 2018 (Final Cleanup Action Plan).

The cleanup action for the Site is being conducted in accordance with the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), as established in Chapter 173-340 of the Washington Administrative Code. The Site vicinity map is provided on Figure 1 and a Site plan is provided on Figure 2. The Site is listed in the Ecology Confirmed and Suspected Contaminated Sites List database as Cenex Valley Supply Coop and has been assigned Site Identification No. 2487.

The Remedial Investigation/Feasibility Study for the Site was completed in accordance with 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. *Remedial Investigation Report, CHS Auburn Site, Auburn, Washington* dated July 29, 2011, prepared by Farallon (2011) was submitted to Ecology on July 29, 2011. *Feasibility Study, CHS Auburn Site, Auburn, Washington* dated August 6, 2014, prepared by Farallon (2014) was submitted to Ecology on August 6, 2014. A working draft of the *Draft Cleanup Action Plan, CHS Auburn Site, Auburn, Washington* dated May 28, 2015, prepared by Farallon (2015) was submitted for Ecology review on May 28, 2015. The public review and comment period for the Draft Cleanup Action Plan issued by Ecology and for the Draft Consent Decree for the Site was completed on May 7, 2018.

This performance monitoring plan meets the requirement for the Performance Monitoring Plan work element listed in Table 3, *Cleanup Action Schedule of Implementation*, of the Final Cleanup Action Plan. Note that the submittal deadline for the Performance Monitoring Plan deliverable work element was extended 60 days based on the letter regarding Extension of Schedule Request, CHS Auburn Site, Auburn, Washington dated August 15, 2018, from Mr. Paul Grabau of Farallon. to Dr. Jerome Cruz of Ecology as approved in the email regarding Extension of Schedule Request – CHS Auburn dated August 15, 2018, from Dr. Cruz of Ecology to Mr. Grabau of Farallon.

This performance monitoring plan is organized as follows:

- **Section 2, Performance Monitoring,** describes the groundwater monitoring and SVE system effluent air sampling protocols to be conducted at the Site.
- **Section 3, Reporting,** describes the elements of the reporting for the performance monitoring to be conducted at the Site.
- **Section 4, References,** provides a list of the documents cited in this report.

2.0 PERFORMANCE MONITORING

As detailed in the Final Cleanup Action Plan, a performance monitoring plan will be implemented for the Site. Performance monitoring events will be conducted on a quarterly basis for the first four quarters following completion of the installation of new AS and SVE wells and system start-up. Following the initial four quarters of monitoring, the sampling frequency will be semiannual until either the cleanup levels are achieved or for an additional 4 years, whichever comes first. If groundwater cleanup levels are not achieved in 5 years, a 5-year summary monitoring report will be prepared that will include recommendations for modifications to the monitoring program and/or treatment system operation.

A summary of the analytical results for groundwater samples collected at the Site from June 2008 through August 2018 is provided in Table 1. A summary of the groundwater and SVE effluent air sampling and monitoring activities to be implemented to assess the performance of the cleanup action is provided below.

2.1 GROUNDWATER MONITORING

2.1.1 Selected Monitoring Wells and Analyses

The monitoring wells that will be monitored and sampled for the performance monitoring plan include monitoring wells CMW-2, CMW-8, CMW-10, CMW-12, CMW-13, CMW-25 through CMW-31, HMW-9 through HMW-11, and HMW-13. Monitoring well locations are shown on Figure 2. The selected monitoring wells include those wells that have been monitored since 2012 for the semi-annual groundwater monitoring activities, with the addition of monitoring well MW-30, which is installed in the area of the former aboveground storage tanks at the Site and up-gradient of monitoring well MW-29, where total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) were detected in groundwater samples at concentrations exceeding MTCA Method A cleanup levels in 2017 and 2018. The selected monitoring wells are within the area of influence of the AS/SVE wells that will be operated for the cleanup action and in up-gradient and down-gradient directions of groundwater flow. Groundwater quality data collected from these wells will be used to assess the performance of the AS/SVE operations. The selection of monitoring wells for performance monitoring sampling will be re-evaluated on an

annual basis and any suggested modifications will be presented to Ecology for approval prior to implementing any changes to the monitoring program.

Groundwater samples collected from the monitoring wells will be analyzed for the following:

- DRO and TPH as oil-range organics (ORO) by Northwest Method NWTPH-Dx without the sulfuric acid/silica gel cleanup procedure;[1]
- TPH 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.

Two duplicate quality assurance/quality control groundwater samples, blind to the laboratory, will be collected during each groundwater monitoring event. Groundwater samples will be analyzed on a standard turnaround time of 7 working days.

2.1.2 Groundwater Sampling Protocols

The procedures for the performance groundwater sample collection will be conducted in general accordance with protocols detailed in the *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells* dated July 30, 1996, revised September 19, 2017, prepared by EPA (2017) as follows:

- The well cap will be removed, and the groundwater level will be allowed to equilibrate to atmospheric pressure.
- The depth to groundwater will be measured from the surveyed location at each monitoring well casing to the nearest 0.01 foot using an electronic water-level measuring device. The depth to the monitoring well bottom also will be measured to evaluate siltation of the monitoring wells and to calculate the estimated purge water volume. Dissolved oxygen

[1] The sample extracts for the DRO and ORO analyses conducted from 2008 through November 2016 were treated with a sulfuric acid/silica gel cleanup procedure. At Ecology's request, the sulfuric acid/silica gel cleanup procedure has not been used for DRO or ORO analysis since November 2016.

content in groundwater also will be measured in conjunction with measurement of depth to groundwater using a dissolved oxygen analyzer and down-hole probe. Groundwater level and dissolved oxygen measurements will be taken at each of the monitoring well locations within a 2-hour period. Reusable equipment will be decontaminated between uses.

- The sampling intake of the dedicated polyethylene tubing will be placed approximately 2 to 3 feet below the measured depth to water.
- Each monitoring well will be purged using a peristaltic pump at flow rates between 100 and 300 milliliters per minute.
- Groundwater geochemical parameters, including temperature, pH, specific conductivity, dissolved oxygen, and oxidation-reduction potential, will be recorded approximately every 3 minutes during purging using a multiparameter meter equipped with a flow-through cell. Groundwater samples will be collected after the pH, temperature, and conductivity parameters have stabilized. Stabilization will be determined for pH 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.
- Groundwater samples will be collected directly from the pump outlet following stabilization of the geochemical parameters at the monitoring wells. If a monitoring well is completely dewatered during purging, samples will be collected after sufficient recharge has occurred to allow filling of all sample containers.
- Groundwater samples will be decanted directly into laboratory-supplied sample containers, with care taken to minimize turbulence. Care will be taken not to handle the seal or lid of the container when the sample is placed into the container. Each container will be filled to eliminate headspace, and the seal/lid will be secured.
- Each sample container will be labeled with the date, time sampled, well identification and number, project name, project number, sampler's initials, and preservative(s), if any.

- Sample information will be logged on a Chain of Custody form, and the sample(s) will be placed into a cooler maintained at approximately 4 degrees Celsius for transport to the laboratory.
- The well caps and monuments will be secured following sampling.

A Well Purging and Sampling Data form will be completed by a Farallon Field Scientist for each well sampled. Farallon will record the depth to groundwater, well purging information, and other pertinent hydrologic measurements and supplementary information collected during groundwater sampling at each monitoring well.

2.2 SVE SYSTEM EFFLUENT AIR MONITORING

Air samples from the SVE system effluent will be collected in conjunction with the groundwater monitoring and sampling activities to assess the performance of the SVE system at removing the volatile constituents of concern GRO and BTEX from vadose zone soil. SVE effluent air samples collected during the initial startup of the AS/SVE system also will be used to determine whether treatment of extracted vapors will be required to comply with Puget Sound Clean Air Agency discharge limits. Air sampling port locations and methods are discussed in the following sections.

2.2.1 SVE System Air Sampling Locations

If the results of the SVE effluent air samples collected during the initial startup of the AS/SVE system indicate that treatment of air emissions will be required, sampling ports will be installed on each of the upstream and downstream sides of the treatment vessel(s) (likely granular activated carbon) and samples will be collected from the upstream (influent) and downstream (effluent) ports. If treatment of emissions is not required, effluent air samples will be collected from a sampling port installed downstream of the SVE blower on the positive pressure side of the system. Tedlar bags will be used for collection of air samples. If the concentrations of the volatile constituents of concern GRO and BTEX are consistently less than the laboratory practical quantitation limits for the analytical methods, Summa canisters may be used for collection of samples and alternative analytical methods proposed.

2.2.2 SVE System Air Analyses

Performance air samples will be analyzed for:

- GRO using EPA Method 8015; and
- BTEX using EPA Method 8021B.

2.2.3 SVE System Air Sampling Protocols

Performance air samples will be collected and handled following the health and safety protocols presented in the project health and safety plan and the procedures below:

- A photoionization detector will be used to initially screen the emissions at the sampling port(s);
- A dedicated, new Tedlar bag(s) will be used to collect an air sample from the sampling port(s);
- The Tedlar bag(s) will be labelled with the medium, date, time sampled, sample identification and number, project name, project number, and sampler's initials;
- The sample will be logged on a Chain-of-Custody form and the Tedlar bag(s) immediately placed in a dark, cool area for transport to the laboratory maintaining chain-of-custody protocols;
- Following the collection of each air sample, the sampling port will be secured in a locked position; and,
- Disposable sampling and health and safety supplies and equipment will be discarded in an appropriate waste dumpster on the CHS property.

The monthly operation and maintenance activities of the AS/SVE system will include measuring and adjusting air flows and pressures in the AS system and air flows and vacuum in the SVE system and conducting routine maintenance functions. Additional details on the operation and maintenance activities will be provided in an Operation and Maintenance Plan to be prepared and submitted following installation of the new components of the AS/SVE system, which is a component of the cleanup action work described in the Final Cleanup Action Plan.

3.0 REPORTING

A summary report will be prepared following each performance monitoring event. Each summary report will include the following:

- A brief description of the Site, Site vicinity, and Site background;
- A discussion of the scope of work;
- Scaled figures depicting the monitoring well locations and corresponding groundwater analytical data, groundwater elevation contours, and inferred groundwater flow direction;
- Tables summarizing groundwater elevation data, groundwater quality parameters, and the groundwater analytical results, with a comparison of detected concentrations of hazardous substances to the applicable MTCA Method A cleanup levels for groundwater;
- Tables summarizing the SVE system air sampling results and estimated GRO cumulative removal mass;
- Tables summarizing the AS air flow and SVE vacuum readings, and the air analytical results with comparison of detected hazardous substances to applicable air emission limits; and
- Farallon's conclusions regarding the results of the performance monitoring.

Groundwater monitoring reports will be submitted to Ecology within 45 days of receipt and review of the analytical data from the monitoring event for the reporting period.

4.0 REFERENCES

Farallon Consulting, L.L.C. (Farallon). 2011. *Remedial Investigation Report, CHS Auburn Site, Auburn, Washington*. Prepared for CHS Inc. July 29.

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

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

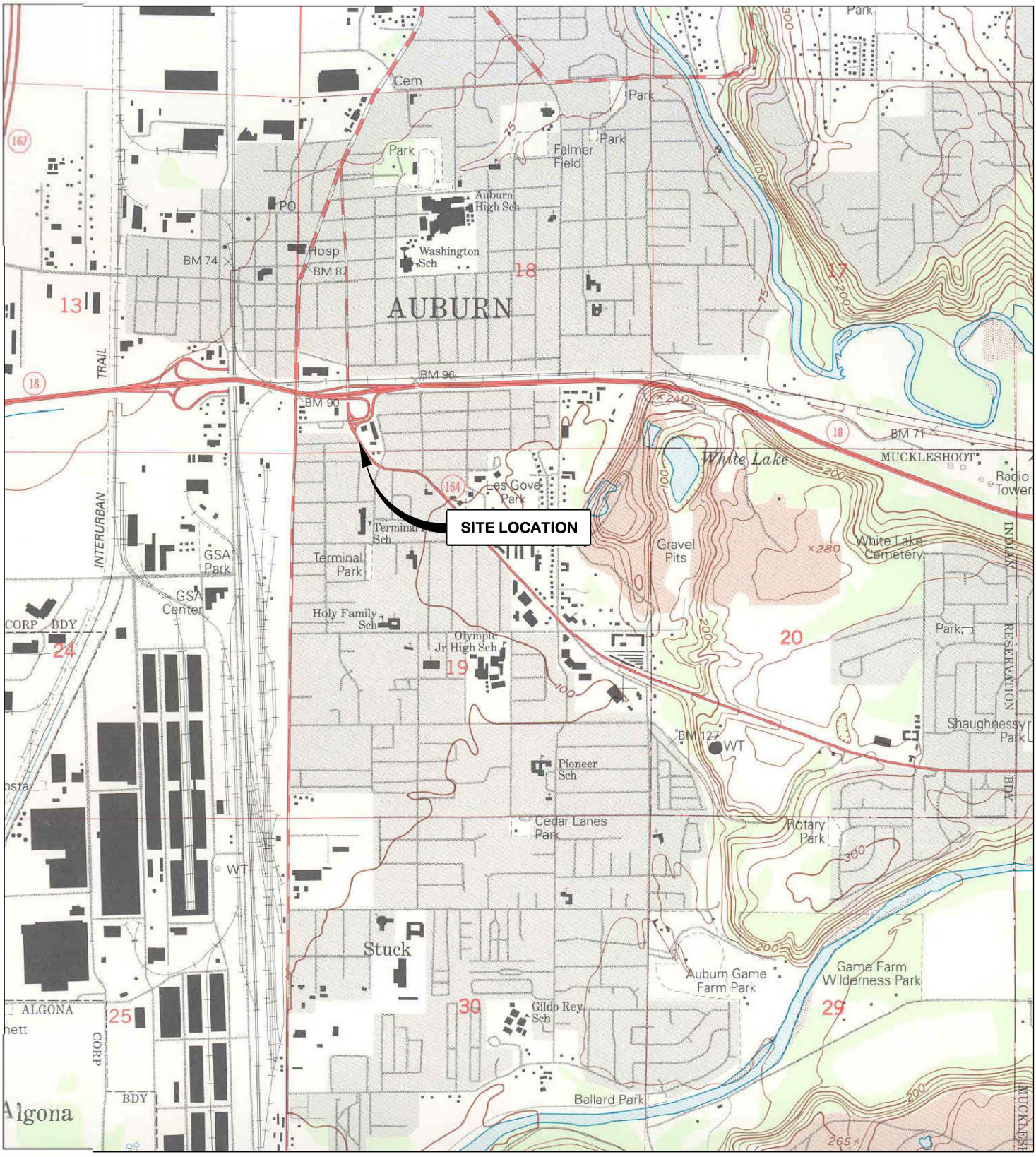
U.S. Environmental Protection Agency. 1996. *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*. Revised September 19, 2017. July 30.

Washington State Department of Ecology. 2018. *Final Cleanup Action Plan, CHS Auburn Site, 238 8th Street Southeast and Contiguous Areas, Auburn, Washington, Agreed Order No. 4033, Facility Site No. 2487.* May 8.

FIGURES

PERFORMANCE MONITORING PLAN
CHS Auburn Site
Auburn, Washington

Farallon PN: 301-004



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

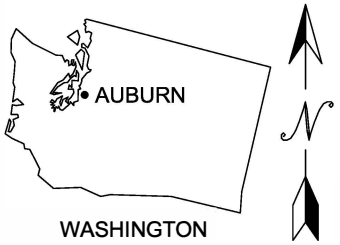


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FIGURE 1

SITE VICINITY MAP
CHS AUBURN SITE
AUBURN, WASHINGTON

FARALLON PN: 301-004

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

STATE ROUTE - 18

AUBURN WAY SOUTH

6TH STREET SE

7th STREET SE

8th STREET SE

6TH STR

7TH S

8TH S

D STREET SE

C STREET SE

FIRE HOUSE SQUARE

SCHUCKS

MCDONALD'S

WSIADA

THAI RESTAURANT

BIG-O TIRES

CHS AUBURN FACILITY

CHS MAIN BUILDING

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

FARALLON PN: 301-004

Drawn By: GPF Checked By: PG Date: 1/8/2018 Disk Reference: 301-004_02

TABLE

PERFORMANCE MONITORING PLAN
CHS Auburn Site
Auburn, Washington

Farallon PN: 301-004

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[4]**	<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
	CMW-2-071317	7/13/2017	0.33	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-011818	1/18/2018	**0.93**	**<0.62[4]**	<100	<1.0	<1.0	<1.0	<2.0
	CMW-2-073118	7/31/2018	**0.63**	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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CHS Auburn Site
Auburn, Washington
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Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
CMW-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[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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
	CMW-8-071217	7/12/2017	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-011818	1/18/2018	0.38	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-8-080118	8/1/2018	0.31	<0.42	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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**[8]	<4.0	<4.0	12	179
	CMW10-061708[7]	6/17/2008	**2.0**	<0.40	**1,300**[8]	<4.0	<4.0	12	181
	BAIL1-061708[6]	6/17/2008	**92**	**<7.0**	**4,600**[8]	<4.0	6.9	31	540
	CMW10-061708[9]	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**[10]	<0.40	**6,100**	4.1	5.3	140	**1,290**
	CMW10-031909	3/19/2009	**1.3**[10]	<0.46	**1,600**[8]	<4.0	<4.0	13	204
	CMW10-102809	10/28/2009	**0.78**[10]	<0.40	**8,100**	2.7	2.9	140	**1,440**
	QAQC-102809[7]	10/28/2009	**5.5**[10]	**0.76**[10]	**8,400**	2.8	3.1	150	**1,570**
	CMW10-012610	1/26/2010	**5.8**	**<0.65**[4]	**1,100**[8]	<1.0	<1.0	3.5	76
	QAQC-1-012610[7]	1/26/2010	**5.6**	**<0.63**[4]	**1,200**[8]	<1.0	<1.0	3.7	74
	CMW10-042010	4/20/2010	**2.7**[10]	<0.41	560[8]	<1.0	<1.0	<1.0	19.3
	QA/QC-1-042010[7]	4/20/2010	**2.2**[10]	<0.41	660[8]	<4.0	<4.0	<4.0	12
	CMW10-072010	7/20/2010	**2.3**	**<0.57**[4]	740[8]	<1.0	<1.0	1.2	67
	CMW-10-102110	10/21/2010	**2.6**[10]	<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**[10]	<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**[10]	<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[8]	<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[8]	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**[10]	0.41	**980**[8]	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
	CMW-10-071317	7/13/2017	**0.62**	**0.60**	<100	<1.0	<1.0	<1.0	<2.0
	CMW-10-011818	1/18/2018	**1.4**	**<0.89**[4]	<100	<1.0	<1.0	<1.0	<2.0
	CMW-10-080118	8/1/2018	**1.5**	**0.67**[11]	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[7]	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[7]	10/28/2009	**1.4**	0.41[11]	460	**7.4**	<1.0	1.4	<2.0
	CMW12-012610	1/26/2010	<0.39[4]	<0.43	**980**	**8.5**	<1.0	12	4.3
	CMW12-042010	4/20/2010	**<0.61[4]**	<0.43	**1,200**	**12**	<4.0	17	14
	CMW12-072110	7/21/2010	<0.44[4]	<0.45	**1,300[8]**	**13**	<1.0	25	16.2
	Dup-CMW12-072110[7]	7/21/2010	<0.49[4]	<0.44	**1,300[8]**	**13**	<1.0	26	15
	CMW-12-102110	10/21/2010	<0.36[4]	<0.41	660	**7.6**	<1.0	4.6	2.6
	Dup-CMW-12-102110[7]	10/21/2010	<0.46[4]	<0.43	610	**7.1**	<1.0	5.1	2.4
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[4]	<0.41	**1,100**	**6.2**	<4.0	<4.0	4.4
	QA/QC-2-012511[7]	1/25/2011	<0.48[4]	<0.41	**1,100**	**6.4**	<4.0	<4.0	4.2
	CMW12-042611	4/26/2011	**<0.62**[4]	<0.41	**1,500**	**9.7**	<4.0	15	8.4
	QA/QC-1-042611[7]	4/26/2011	**<0.63**[4]	<0.41	**1,500**	**9.1**	<4.0	15	8.1
	CMW-12-071911	7/19/2011	**<0.73**[4]	<0.43	**1,600**	**11**	<1.0	11	11
	CMW-12-102111	10/21/2011	<0.41[4]	<0.42	780	**5.4**	<1.0	1.6	1.2
	DUP-2-102111[7]	10/21/2011	<0.42[4]	<0.41	750	**5.4**	<1.0	1.5	1.2
	CMW-12-042612	4/26/2012	**<0.90**[4]	<0.44	**1,600**	**7.1**	1.1	6.4	14
	QA/QC-1-042612[7]	4/26/2012	**<0.84**[4]	<0.44	**1,600**	**7.1**	1.2	6.5	13
	CMW-12-110112	11/1/2012	**0.56**[10]	<0.41	**850**	4.7	<1.0	<1.0	1.5
	DUP1-110112[7]	11/1/2012	0.46[10]	<0.41	**890**	**5.1**	<1.0	<1.0	2.0
	CMW-12-042313	4/23/2013	**<0.60**[4]	<0.43	390	2.6	<1.0	<1.0	1.6
	DUP1-042313[7]	4/23/2013	**<0.52**[4]	<0.43	390	2.1	<1.0	<1.0	1.5
	CMW-12-102313	10/23/2013	**<0.55**[4]	<0.41	740	3.1	<1.0	<1.0	<2.0
	DUP2-102313[7]	10/23/2013	<0.48[4]	<0.41	790	3.0	<1.0	<1.0	<2.0
	CMW-12-042414	4/24/2014	**<0.75**[4]	<0.41	**1,600**	4.3	<1.0	17	7.3
	DUP-2-042414[7]	4/24/2014	**<0.75**[4]	<0.41	**1,500**	4.1	<1.0	16	7.1
	CMW-12-102914	10/29/2014	**<0.50**[4]	<0.41	**950**	4.4	<1.0	<1.0	1.2
	DUP-2-102914[7]	10/29/2014	**<0.61**[4]	<0.41	**880**	4.5	<1.0	<1.0	1.0
	CMW-12-042315	4/23/2015	**<1.0**[4,10]	<0.41	**1,600**	**5.7**	<1.0	1.6	5.0
	DUP-2-042315[7]	4/23/2015	**<0.91**[4,10]	<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[7]	11/24/2015	<0.26	<0.41	460	2.1	<1.0	<1.0	<2.0
	CMW-12-050516	5/5/2016	**0.90**[10]	<0.41	**1,600**	**5.4**	<1.0	2.8	6.7
	QA/QC-1-050516[7]	5/5/2016	0.811	<0.41	**1,700**	**5.8**	<1.0	2.9	7.2
	CMW-12-113016	11/30/2016	0.38[10]	<0.41	590	<4.0	<4.0	<4.0	<8.0
	CMW-12-071317	7/13/2017	**2.1**[10]	<0.41	**1,800**	5.0	<1.0	1.6	4.3
	QA/QC-2-071317[7]	7/13/2017	**1.8**[10]	**0.65**	**1,800**	4.9	<1.0	1.6	4.1
	CMW-12-011818	1/18/2018	**2.1**[10]	**<0.55**[4]	**1,300**	3.0	<1.0	<1.0	<2.0
	QA/QC-1-011818[7]	1/18/2018	**2.2**[10]	**<0.70**[4]	**1,200**	2.6	<1.0	<1.0	<2.0
	CMW-12-080118	8/1/2018	**1.5**[10]	**0.77**[11]	**1,500**	1.2	<1.0	<1.0	1.6
	QA/QC-1-080118[7]	8/1/2018	**1.4**[10]	**0.56**[11]	**1,500**	1.1	<1.0	<1.0	1.9
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
CMW-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**[4]	<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
	CMW-13-071317	7/13/2017	**1.7**	**0.70**	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-011818	1/18/2018	0.29	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-13-073118	7/31/2018	**0.62** [10]	<0.41	240	1.1	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
CHS Auburn Site
Auburn, Washington
Farallon PN: 301-004

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

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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
	CMW-25-071317	7/13/2017	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-011818	1/18/2018	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-25-073118	7/31/2018	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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
	CMW-26-071317	7/13/2017	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-011818	1/18/2018	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-26-080118	8/1/2018	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[7]	6/17/2008	**1.1**	<0.40	**2,300**	**35**	<4.0	110	200
	CMW27-061708[9]	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[7]	10/1/2008	**<0.65**	<0.40	**2,600**	**35**	<1.0	99	271
	CMW27-123008	12/30/2008	**0.64**[10]	<0.44	**2,400**	**34**	<4.0	64	243
	QA/QC-2-123008[7]	12/30/2008	**0.66**[10]	<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[7]	3/19/2009	<0.25	<0.40	**4,200**	**48**	<4.0	170	424
	CMW27-102809	10/28/2009	**2.3**[10]	0.43[11]	**3,700**	**32**	1.6	180	354
	QAQC2-102809[7]	10/28/2009	**2.6**[10]	0.50[11]	**3,900**	**32**	1.6	160	304
	CMW27-012610	1/26/2010	**0.93**[10]	<0.41	**4,500**[8]	**25**	1.4	100	180
	QAQC-2-012610[7]	1/26/2010	**1.0**[10]	<0.40	**4,000**[8]	**24**	1.4	100	179.7
	CMW27-042010	4/20/2010	**2.5**[10]	<0.41	**2,300**	**28**	<4.0	84	88
	QA/QC-2-042010[7]	4/20/2010	**3.0**[10]	<0.41	**2,400**	**26**	<4.0	87	94
	CMW27-072110	7/21/2010	**3.8**[10]	**<0.61**[4]	**2,800**	**36**	<4.0	150	150
	Dup-CMW27-072110[7]	7/21/2010	**2.2**[10]	<0.42	**2,900**	**37**	<4.0	150	150
	CMW-27-102110	10/21/2010	**1.5**[10]	<0.43	**1,400**	**23**	<4.0	69	41
	dup-CMW-27-102110[7]	10/21/2010	**1.4**[10]	<0.43	**1,400**	**23**	<4.0	70	42
	CMW-27-012511	1/25/2011	**2.9**[10]	<0.41	**4,800**	<4.0	<4.0	53	413
	CMW-27-042611	4/26/2011	**1.1**[10]	<0.41	**2,100**	<4.0	<4.0	20	122
	QA/QC-2-042611[7]	4/26/2011	**0.96**[10]	<0.44	**2,100**	<4.0	<4.0	21	133
	CMW-27-071811	7/18/2011	**5.0**[10]	<0.46	**9,100**	**37**	<10	390	999
	QA/QC-1-071811[7]	7/18/2011	**4.1**[10]	<0.43	**6,300**	**25**	<10	220	550
	CMW-27-102111	10/21/2011	**2.3**[10]	<0.41	**1,700**	**13**	<4.0	41	32
	DUP-1-102111[7]	10/21/2011	**2.2**[10]	<0.42	**1,700**	**13**	<4.0	42	33
	CMW-27-042712	4/27/2012	**4.4**[10]	<0.41	**5,100**[8]	<4.0	<4.0	59	355
	QA/QC-2-042712[7]	4/27/2012	**6.9**[10]	**<0.57**[4]	**5,100**[8]	<4.0	<4.0	66	356
	CMW-27-110112	11/1/2012	**2.4**[10]	<0.41	**3,300**[8]	**8.6**	<1.0	58	128.6
	DUP2-110112[7]	11/1/2012	**3.0**[10]	<0.41	**3,400**[8]	**8.5**	<1.0	168	8.7
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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Well Identification	Sample Identification	Sample Date	Analytical Results (milligrams per liter)		Analytical Results (micrograms per liter)				
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
CMW-27	CMW-27-042313	4/23/2013	**4.0**[10]	<0.43	**1,900**	<1.0	<1.0	25	149.2
	DUP2-042313[7]	4/23/2013	**2.9**[10]	<0.45	**1,800**	<1.0	<1.0	27	139.5
	CMW-27-102313	10/23/2013	**2.8**[10]	<0.41	**2,200**[8]	4.3	<1.0	32	60.1
	DUP-1-102313[7]	10/23/2013	**2.6**[10]	<0.42	**2,100**[8]	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[7]	4/24/2014	**0.55**	<0.41	<100	1/18/2018	1/18/2018	1/18/2018	1/18/2018
	CMW-27-102914	10/29/2014	**1.2**[10]	<0.41	**1,200**	3.7	<1.0	11	11
	DUP-1-102914[7]	10/29/2014	**1.3**[10]	<0.41	**1,200**	4.1	<1.0	12	12
	CMW-27-042315	4/23/2015	**4.0**	<0.41	760[8]	<1.0	<1.0	5.8	22.2
	DUP-2-042315[7]	4/23/2015	**5.8**	<0.41	800[8]	<1.0	<1.0	6.1	23.3
	CMW-27-112415	11/24/2015	**2.9**[10]	<0.41	460	4.6	<1.0	9.3	7.2
	CMW-270-112415[7]	11/24/2015	**2.9**[10]	<0.41	**930**[8]	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[7]	5/5/2016	**2.8**	<0.41	<400	<4.0	26	<4.0	<8.0
	CMW-27-113016	11/30/2016	**1.5**[10]	<0.42	750	<4.0	<4.0	6.0	5.0
	CMW-27-071317	7/13/2017	**3.3**[10]	**1.3**	**1,200**	2.8	1.4	4.5	8.2
	QA/QC-1-071317[7]	7/13/2017	**3.5**[10]	**0.77**	**1,200**	2.9	1.3	4.6	8.4
	CMW-27-011818	1/18/2018	**1.7**	**<1.0**[4]	<100	<1.0	<1.0	<1.0	<2.0
	QA/QC-2-011818[7]	1/18/2018	**1.6**	**<0.96**[4]	<100	<1.0	<1.0	<1.0	<2.0
	CMW-27-080118	8/1/2018	**2.7**[10]	**1.0**[11]	**1,000**	<1.0	1.3	5.9	7.4
	QA/QC-2-080118[7]	8/1/2018	**2.6**[10]	**0.89**[11]	**1,100**	<1.0	1.3	5.8	7.8
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[8]	<1.0	<1.0	3.0	12.1
	CMW28-100108	10/1/2008	**0.6**[10]	<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[7]	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**[11]	<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
	CMW-28-071217	7/12/2017	**1.3**	**0.92**	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-011818	1/18/2018	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-28-080118	8/1/2018	**0.81**	**0.52**[11]	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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
	CMW-29-071317	7/13/2017	**0.76**[10]	<0.41	220	**7.1**	6.8	<1.0	<2.0
	CMW-29-011718	1/17/2018	**0.70**	**<0.54**[4]	<100	<1.0	<1.0	<1.0	<2.0
	CMW-29-073118	7/31/2018	0.33	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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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-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
	CMW-31-071217	7/12/2017	**0.69**	<0.42	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-011818	1/18/2018	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	CMW-31-073118	7/31/2018	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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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
	HMW-9-071317	7/13/2017	0.49	**0.51**	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-011818	1/18/2018	0.35	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-9-080118	8/1/2018	0.46	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

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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-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[7]	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[7]	7/19/2011	<0.29	<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
	HMW-10-071317	7/13/2017	**0.82**	**0.55**	170	1.7	<1.0	<1.0	<2.0
	HMW-10-011718	1/17/2018	**0.72**	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-10-073118	7/31/2018	**0.6** [10]	<0.40	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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**[10]	<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[7]	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**[4]	<0.46	**1,400**[8]	4.3	1.1	4.6	6.0
	HMW-11-102110	10/21/2010	<0.50[4]	<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**[10]	<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**[4]	<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[4]	<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[4,10]	<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**[10]	<0.41	**1,000**	<4.0	<4.0	<4.0	<8.0
	HMW-11-071317	7/13/2017	**2.0**[10]	**0.63**	**990**	3.5	<1.0	<1.0	1.7
	HMW-11-011818	1/18/2018	**2.5**	**<1.3**[4]	<100	<1.0	<1.0	<1.0	<2.0
	HMW-11-080118	8/1/2018	**1.6**[10]	0.48[11]	**1,600**	1.0	<1.0	<1.0	<2.0
HMW-12	HMW12-100208	10/2/2008	<0.26	<0.42	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**0.5**	**0.5**	**800**	**5**	**1,000**	**700**	**1,000**

Table 1
Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater – June 2008 through August 2018
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**[11]	<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
	HMW-13-071317	7/13/2017	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-011818	1/18/2018	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
	HMW-13-080118	8/1/2018	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[5]			**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 MTCA Method A cleanup levels for groundwater.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

[1]Analyzed by Northwest Method NWTPH-Dx. Samples analyzed by OnSite Environmental Inc. between June 2008 and November 2016 were analyzed using acid silica gel cleanup procedure.

[2]Analyzed by Northwest Method NWTPH-Gx.

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

[4]The practical quantitation limit is elevated due to interferences in the sample.

[5]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

[6]Sample collected using disposable bailer.

[7]Quality assurance/quality control duplicate sample.

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

[9]Duplicate sample analyzed at TestAmerica Laboratories Inc.

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

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