LMS/SAL/S00413

Data Validation Package

April 2013
Groundwater and Surface Water Sampling at the Salmon, Mississippi, Site

March 2014

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Sampling Event Summary

Site: Salmon, Mississippi, Site

Sampling Period: April 22–25, 2013

Annual environmental montoring was conducted at the Salmon, Mississippi, Site. Groundwater samples were collected from 28 locations to confirm that residual concentrations of organics, metals, and tritium attenuate as expected. Eleven surface water locations also were sampled to verify that discharge of shallow contaminated groundwater is not adversely affecting surface water leaving the site.

Sampling and analyses were conducted as specified in the *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites.* (LMS/PRO/S04351, continually updated). Duplicate samples were collected from locations HMH-5R and SA5-4-4. Two trip blanks were collected during this sampling event.

This report includes data for metals and volatile organic compounds (VOCs) analyzed by ALS Laboratory Group under requisition index number (RIN) 13045258; tritium and gamma-emitting nuclides analyzed by the GEL Laboratories (RIN 13045260); and chlorine-36 analyzed by Purdue Rare Isotope Measurement Laboratory (RIN 13045237).

Table 1 provides concentrations of contaminants of concern exceeding action levels. For metals and VOCs, the criteria are the Safe Drinking Water Act maximum contaminant levels (MCLs). Onsite sample locations are shown on Page 3. All concentrations are expressed in milligrams per liter (mg/L).

Table 1. Analytical Results Exceeding MCLs for Sampled Wells

Analyte	MCL (mg/L)	Location	Result (mg/L)
Arsenic	0.010	SA1-3-H	0.015
Arsenic	0.010	SA1-7-H	0.012
Barium	2.000	SA4-5-L	2.700
Chromium	0.100	HM-3	0.120
Trichloroethene	0.005	HMH-5R	0.062

Time-concentration graphs are included for selected contaminant concentrations in onsite groundwater monitoring wells.

Cassandra Gauthier
Site Lead, The S.M. Stoller Corporation

3/31/14
Date

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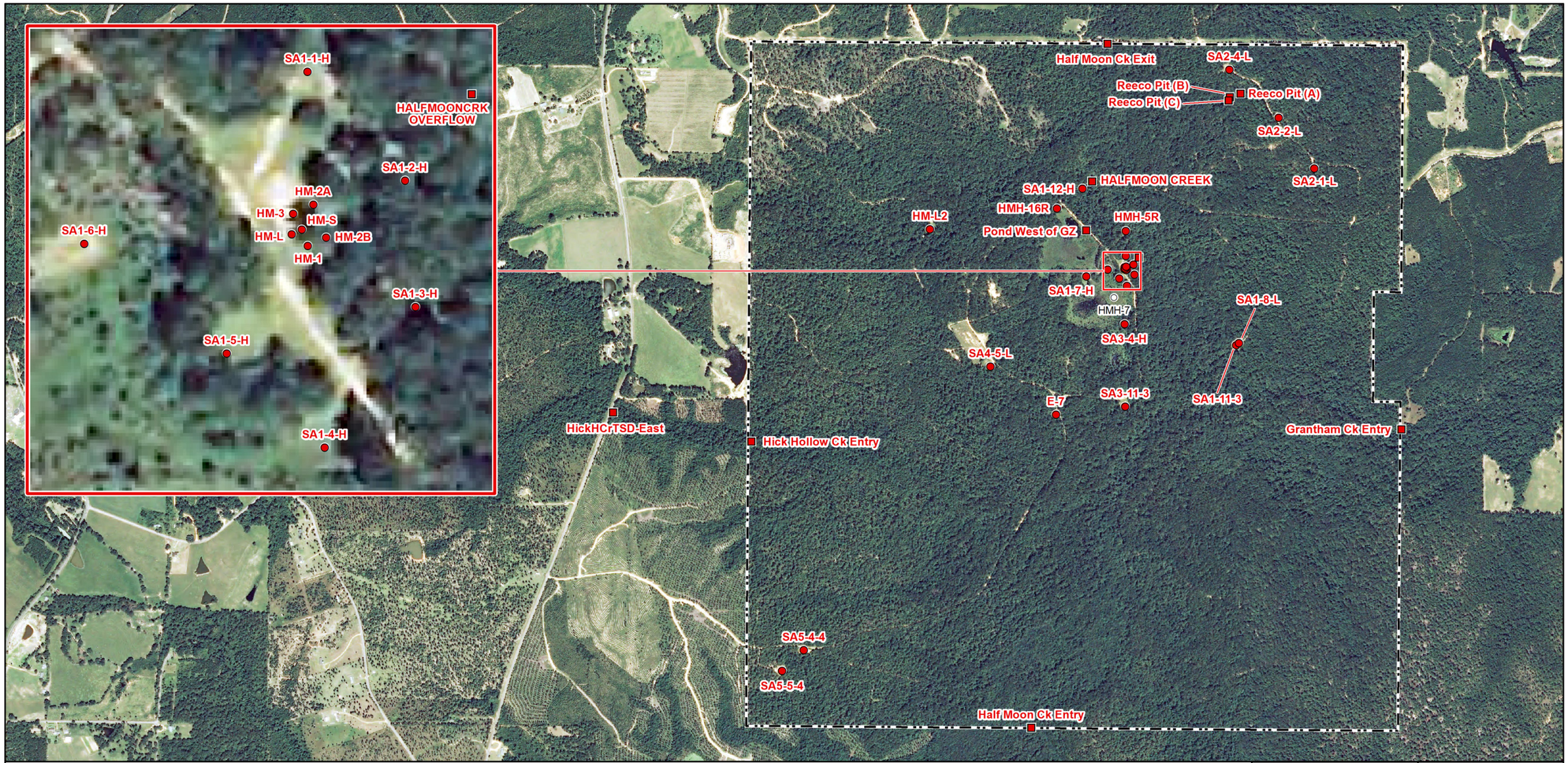

Salmon, Mississippi, Site, Water Sampling Location Map

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Data Assessment Summary

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Water Sampling Field Activities Verification Checklist

Project	Salmon, Mississippi	**Date(s) of Water Sampling**	April 22–25, 2013
Date(s) of Verification	February 13, 2014	**Name of Verifier**	Stephen Donivan

	Response (Yes, No, NA)	Comments
1. Is the SAP the primary document directing field procedures?	Yes	
List any Program Directives or other documents, SOPs, instructions.		Work Order letter dated March 22, 2013. Program directive SAL-2013-01.
2. Were the sampling locations specified in the planning documents sampled?	No	Locations Grantham Ck Entry, Half Moon Ck Entry, and Hick Hollow Ck Entry were not sampled at the direction of the site lead.
3. Were calibrations conducted as specified in the above-named documents?	Yes	Calibrations were performed April 17–19, 2014.
4. Was an operational check of the field equipment conducted daily?	Yes	
Did the operational checks meet criteria?	Yes	
5. Were the number and types (alkalinity, temperature, specific conductance, pH, turbidity, DO, ORP) of field measurements taken as specified?	Yes	
6. Were wells categorized correctly?	Yes	
7. Were the following conditions met when purging a Category I well:		
Was one pump/tubing volume purged prior to sampling?	Yes	
Did the water level stabilize prior to sampling?	Yes	
Did pH, specific conductance, and turbidity measurements meet criteria prior to sampling?	Yes	
Was the flow rate less than 500 mL/min?	Yes	

Water Sampling Field Activities Verification Checklist (continued)

	Response (Yes, No, NA)	Comments
8. Were the following conditions met when purging a Category II well:		
Was the flow rate less than 500 mL/min?	Yes	
Was one pump/tubing volume removed prior to sampling?	Yes	
9. Were duplicates taken at a frequency of one per 20 samples?	Yes	Duplicate samples were collected form locations HMH-5R and SA5-4-4.
10. Were equipment blanks taken at a frequency of one per 20 samples that were collected with non-dedicated equipment?	NA	An equipment blank was not collected during this sampling event because dedicated equipment was used for the collection of all samples.
11. Were trip blanks prepared and included with each shipment of VOC samples?	Yes	Two trip blanks were collected.
12. Were the true identities of the QC samples documented?	Yes	
13. Were samples collected in the containers specified?	Yes	
14. Were samples filtered and preserved as specified?	Yes	
15. Were the number and types of samples collected as specified?	Yes	
16. Were chain of custody records completed and was sample custody maintained?	Yes	
17. Was all pertinent information documented on the field data sheets?	Yes	
18. Was the presence or absence of ice in the cooler documented at every sample location?	Yes	
19. Were water levels measured at the locations specified in the planning documents?	Yes	

Laboratory Performance Assessment

General Information

Requisition No. (RIN):	13045237
Sample Event:	April 22–25, 2013
Site(s):	Salmon Site
Laboratory:	Purdue Rare Isotope Measurement Laboratory, W. Lafayette, IN
Analysis:	Chlorine-36
Validator:	Stephen Donivan
Review Date:	November 5, 2013

This validation was performed according to the *Environmental Procedures Catalog* (LMS/POL/S04325), "Standard Practice for Validation of Environmental Data." The procedure was applied at Level 1, Data Deliverables Examination. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 2.

Table 2. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Chlorine-36	LMR-16	NA	Mass Spectrometry

Data Qualifier Summary

None of the analytical results required qualification.

Sample Shipping/Receiving

Purdue Rare Isotope Measurement Laboratory in West Lafayette, IN, received nine water samples on April 26, 2013, submitted for the determination chlorine-36. The analytical report was checked to confirm that the samples scheduled were received and analyzed.

Preservation and Holding Times

The sample shipment was received intact with the samples in the correct container type preserved correctly for the requested analysis. All samples were analyzed within the applicable holding times.

Completeness

The electronic data deliverable (EDD) was the only deliverable received for this RIN.

EDD File

The EDD file arrived on October 28, 2013.

General Information

Report Number (RIN): 13045258
Sample Event: April 22-25, 2013
Site(s): Salmon LTS&M, Mississippi
Laboratory: ALS Laboratory Group, Fort Collins, Colorado
Work Order No.: 1304414
Analysis: Metals and Organics
Validator: Stephen Donivan
Review Date: August 8, 2013

This validation was performed according to the *Environmental Procedures Catalog* (LMS/POL/S04325, continually updated), "Standard Practice for Validation of Environmental Data." The procedure was applied at Level 3, Data Validation. See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 3.

Table 3. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Metals: Ba, Cr	LMM-01	SW-846 3005	SW-846 6010B
Metals: As, Pb	LMM-02	SW-846 3005	SW-846 6020
Volatile Organics, VOAs	LMV-07	SW-846 5030C	SW-846 8260B

Data Qualifier Summary

Analytical results were qualified as listed in Table 4. Refer to the sections below for an explanation of the data qualifiers applied.

Sample Shipping/Receiving

ALS Laboratory Group in Fort Collins, Colorado, received 35 water samples on April 26, 2013, accompanied by a Chain of Custody (COC) form. The COC form was checked to confirm that all of the samples were listed on a form with sample collection dates and times and that signatures and dates were present indicating sample relinquishment and receipt. The COC form had no errors or omissions.

Preservation and Holding Times

The sample shipments were received cool and intact with the temperature within the iced cooler of 2.6 °C, which complies with requirements. All samples were received in the correct container types and had been preserved correctly for the requested analyses with the following exception. The metals aliquot for sample SA2-2-L was received unpreserved. The aliquot was acidified to pH less than 2 and allowed to equilibrate prior to analysis. All sample analyses were performed within the applicable holding times.

Table 4. Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
1304414-1	HMH-5R	Lead	J	PQL check result
1304414-4	GC-E	Chromium	J	PQL check result
1304414-4	GC-E	Lead	J	PQL check result
1304414-5	Half Moon Ck Exit	Chromium	J	PQL check result
1304414-6	HALFMOON CREEK	Chromium	J	PQL check result
1304414-7	HALFMOONCRKOVERFLOW	Chromium	J	PQL check result
1304414-7	HALFMOONCRKOVERFLOW	Lead	J	PQL check result
1304414-8	HickHCrTSD-East	Chromium	J	PQL check result
1304414-10	HMC-S	Chromium	J	PQL check result
1304414-11	HMH-16R	Chromium	J	PQL check result
1304414-11	HMH-16R	Lead	J	PQL check result
1304414-13	HM-L	Chromium	J	PQL check result
1304414-13	HM-L	Lead	J	PQL check result
1304414-14	HM-L2	Chromium	J	PQL check result
1304414-16	Pond West of GZ	Chromium	J	PQL check result
1304414-16	Pond West of GZ	Lead	J	PQL check result
1304414-17	Reeco Pit (A)	Chromium	J	PQL check result
1304414-17	Reeco Pit (A)	Lead	J	PQL check result
1304414-18	Reeco Pit (B)	Chromium	J	PQL check result
1304414-18	Reeco Pit (B)	Lead	J	PQL check result
1304414-19	Reeco Pit (C)	Chromium	J	PQL check result
1304414-19	Reeco Pit (C)	Lead	J	PQL check result
1304414-20	SA1-11-3	Chromium	J	PQL check result
1304414-20	SA1-11-3	Lead	J	PQL check result
1304414-21	SA1-12-H	Lead	J	PQL check result
1304414-22	SA1-1-H	Chromium	U	Less than 5 times the calibration blank
1304414-22	SA1-1-H	Lead	J	PQL check result
1304414-24	SA1-3-H	Chromium	U	Less than 5 times the calibration blank
1304414-25	SA1-4-H	Chromium	U	Less than 5 times the calibration blank
1304414-25	SA1-4-H	Lead	J	PQL check result
1304414-26	SA1-5-H	Chromium	U	Less than 5 times the calibration blank
1304414-27	SA1-6-H	Chromium	U	Less than 5 times the calibration blank
1304414-27	SA1-6-H	Lead	J	PQL check result
1304414-29	SA1-8-L	Chromium	U	Less than 5 times the calibration blank
1304414-31	SA2-2-L	Acetone	J	Calibration drift
1304414-32	SA2-4-L	Lead	J	PQL check result
1304414-33	SA3-11-3	Chromium	U	Less than 5 times the calibration blank
1304414-33	SA3-11-3	Lead	J	PQL check result
1304414-34	SA3-4-H	Chromium	U	Less than 5 times the calibration blank
1304414-34	SA3-4-H	Lead	J	PQL check result
1304414-35	SA4-5-L	Acetone	J	Calibration drift

Detection and Quantitation Limits

The method detection limit (MDL) was reported for all metal, organic, and wet chemical analytes as required. The MDL, as defined in 40 CFR 136, is the minimum concentration of an analyte that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. The practical quantitation limit (PQL) for these analytes is the lowest concentration that can be reliably measured, and is defined as 5 times the MDL.

The reported MDLs for all metal and organic analytes demonstrate compliance with contractual requirements.

Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods. All calibration and laboratory spike standards were prepared from independent sources.

Method SW-846 6010B, Barium and Chromium
Calibrations for barium and chromium were performed on April 29, 2013, using multi-point calibration. The initial calibrations were performed using four calibration standards, resulting in calibration curves where the absolute value of the curve intercepts were less than 3 times the MDL. Continuing calibration verification checks were made at the required frequency with all calibration checks meeting the acceptance criteria. A reporting limit verification check was made at the required frequency to verify the linearity of the calibration curve near the PQL. The verification checks for chromium were not within the acceptance criteria range. Sample chromium results that are greater than the MDL but less than 5 times the PQL are qualified with a "J" flag as estimated values.

Method SW-846 6020A, Arsenic and Lead
Calibrations for arsenic and lead were performed on April 29, 2013. The initial calibrations were performed using four calibration standards resulting in calibration curves where the absolute value of the curve intercepts were less than 3 times the MDL. Calibration and laboratory spike standards were prepared from independent sources. Initial and continuing calibration verification checks were made at the required frequency, resulting in seven calibration checks. All initial and continuing calibration verification results were within the acceptance range. Reporting limit verification checks were made at the required frequency to verify the linearity of the calibration curves near the PQL. The verification checks for lead were not within the acceptance criteria range. Sample lead results that are greater than the MDL but less than 5 times the PQL are qualified with a "J" flag as estimated values. The mass calibration and resolution was checked at the beginning of each analytical run in accordance with the procedure. Internal standard recoveries were stable and within acceptance ranges.

Method SW-846 8260B, Volatile Organics
Initial calibrations were performed on April 25, 2013, using nine calibration standards. Calibration curves are established using linear regression, quadratic regression, or the average response factor approach. Calibrations using average response factors had percent relative deviation values of less than 15 percent. Linear or higher-order regression calibrations had correlation coefficient (r^2) values greater than 0.99 and intercepts less than 3 times the MDL. Initial and continuing calibration verification checks were made at the required frequency. There were no target compounds with a percent drift value greater than 20 percent with the exception of acetone on April 28, 2013. Associated sample results that are greater than the MDL are qualified with a "J" flag as estimated values. The mass spectrometer calibration and resolution was checked at the beginning of each analytical run in accordance with the procedure.

VOA Internal Standard and Surrogate Recoveries

Laboratory performance for individual samples is evaluated by means of surrogate spikes. All samples are spiked with surrogate compounds prior to sample preparation. Surrogate recoveries are used to monitor factors such as interference and high concentrations of analytes. Surrogate recoveries may also be influenced by the success in recoveries of the internal standards. The internal standard and surrogate recoveries were within the acceptance ranges for all samples.

Method and Calibration Blanks

Method blanks are analyzed to assess any contamination that may have occurred during sample preparation. Calibration blanks are analyzed to assess instrument contamination prior to and during sample analysis. All method blank and initial and continuing calibration blank results associated with the samples were below the PQLs for all analytes. In cases where blank concentration exceeds the instrument detection limit, the associated sample results are qualified with a "U" flag (not detected) when the sample result is greater than the MDL but less than 5 times the blank concentration.

Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Analysis

ICP interference check samples ICSA and ICSAB were analyzed at the required frequency to verify the instrumental interelement and background correction factors. All check sample results met the acceptance criteria.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate samples were analyzed for metals as a measure of method performance in the sample matrix. All spike results were within the acceptance range.

Laboratory Replicate Analysis

The laboratory replicate sample results demonstrate acceptable laboratory precision. The relative percent difference values for the laboratory control sample replicates and matrix spike replicates were less than 20 percent for results that are greater than 5 times the PQL, demonstrating acceptable precision.

Laboratory Control Sample

Laboratory control samples were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The laboratory control sample results were acceptable for all analytes.

Metals Serial Dilution

Serial dilutions were prepared and analyzed for the metals analyses to monitor chemical or physical interferences in the sample matrix. Serial dilution data are evaluated when the concentration of the undiluted sample is greater than 50 times the MDL. The serial dilution data met the acceptance criteria.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Chromatography Peak Integration

The integration of analyte peaks was reviewed for all volatile organics data. All peak integrations, including manual integrations, were satisfactory.

EDD File

The EDD file with the complete data arrived on May 1, 2013. The Sample Management System EDD validation module was used to verify that the EDD files were complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

SAMPLE MANAGEMENT SYSTEM

General Data Validation Report

RIN: 13045258 **Lab Code:** PAR **Validator:** Stephen Donivan **Validation Date:** 08/08/2013

Project: Salmon LTS&M **Analysis Type:** ☑ Metals ☐ General Chem ☐ Rad ☑ Organics

# of Samples: 35 **Matrix:** WATER **Requested Analysis Completed:** Yes

Chain of Custody

Present: OK **Signed:** OK **Dated:** OK

Sample

Integrity: OK **Preservation:** OK **Temperature:** OK

Select Quality Parameters

☑ Holding Times	All analyses were completed within the applicable holding times.
☑ Detection Limits	The reported detection limits are equal to or below contract requirements.
☑ Field/Trip Blanks	There were 2 trip/equipment blanks evaluated.
☑ Field Duplicates	There was 1 duplicate evaluated.

SAMPLE MANAGEMENT SYSTEM

Metals Data Validation Worksheet

RIN: 13045258 **Lab Code:** PAR **Date Due:** 05/24/2013

Matrix: Water **Site Code:** SAL01 **Date Completed:** 05/13/2013

Analyte	Method Type	Date Analyzed	CALIBRATION				Method Blank	LCS %R	MS %R	MSD %R	Dup. RPD	ICSAB %R	Serial Dil. %R	CRI %R
			Int.	R^2	CCV	CCB								
Arsenic	ICP/MS	04/29/2013	0.0000	1.0000	OK	OK	OK	94.0	94.0	95.0	1.0	97.0	2.0	93.0
Arsenic	ICP/MS	04/29/2013					OK	101.0	111.0	106.0	4.0			
Barium	ICP/ES	04/29/2013	0.0000	1.0000	OK	OK	OK	103.0	100.0	103.0	3.0	102.0	1.0	104.0
Barium	ICP/ES	04/29/2013					OK	102.0	101.0	100.0	1.0	103.0	2.0	105.0
Chromium	ICP/ES	04/29/2013	0.0000	1.0000	OK	OK	OK	108.0	102.0	107.0	5.0	99.0		138.0
Chromium	ICP/ES	04/29/2013					OK	102.0	100.0	99.0	1.0	98.0		131.0
Lead	ICP/MS	04/29/2013	0.0000	1.0000	OK	OK	OK	95.0	93.0	95.0	2.0	98.0		288.0
Lead	ICP/MS	04/29/2013					OK	102.0	106.0	102.0	4.0			

SAMPLE MANAGEMENT SYSTEM
Organics Data Validation Summary

RIN: 13045258 **Project:** Salmon LTS&M **Lab Code:** PAR **Validation Date:** 08/08/2013

LCS Recovery: All LCS recoveries were within the laboratory acceptance limits.

Method Blank(s): All method blanks results were below the method detection limit.

MS/MSD Recovery: All MS/MSD recoveries were within the laboratory acceptance limits.

Surrogate Recovery: All surrogate recoveries were within the laboratory acceptance limits.

General Information

Report Number (RIN): 13045260
Sample Event: April 22-25, 2013
Site(s): Salmon LTS&M, Mississippi
Laboratory: GEL Laboratories, Charleston, South Carolina
Work Order No.: 324653, 324657
Analysis: Radiochemistry
Validator: Stephen Donivan
Review Date: August 9, 2013

This validation was performed according to the *Environmental Procedures Catalog* (LMS/POL/S04325, continually updated), "Standard Practice for Validation of Environmental Data." The procedure was applied at Level 3, Data Validation. See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 5.

Table 5. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Gamma Spectrometry	GAM-A-001	EPA 901.1	EPA 901.1
Tritium	LSC-A-001	EPA 906.0	EPA 906.0
Tritium, Enrichment Method	LMR-17	DOE EML HASL 300	DOE EML HASL 300

Data Qualifier Summary

Analytical results were qualified as listed in Table 6. Refer to the sections below for an explanation of the data qualifiers applied.

Table 6. Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
324653002	HM-L	Tritium	J	Less than the determination limit
324653009	SA3-4-H	Tritium (Enrichment Method)	J	Less than the determination limit
324657007	HM-1	Thorium-234	U	Less than the decision level
324657007	HM-1	Uranium-238	U	Less than the decision level
324657022	SA1-2-H	Tritium	J	Less than the determination limit
324657023	SA1-3-H	Tritium	J	Less than the determination limit

Sample Shipping/Receiving

GEL Laboratories in Charleston, South Carolina, received 42 water samples on April 26, 2013, accompanied by a COC form. The COC form was checked to confirm that all of the samples were listed on a form with sample collection dates and times, and that signatures and dates were

present, indicating sample relinquishment and receipt. The COC form had no errors or omissions.

Preservation and Holding Times

The sample shipments were received intact at ambient temperature, which complies with requirements. All samples were received in the correct container types and had been preserved correctly for the requested analyses. All sample analyses were performed within the applicable holding times.

Detection and Quantitation Limits

Radiochemical results are evaluated using the minimum detectable concentration (MDC), Decision Level Concentration (DLC), and Determination Limit (DL). The MDC is a measure of radiochemical method performance and was calculated and reported as specified in *Quality Systems for Analytical Services*. The DLC is the minimum concentration of an analyte that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, and is estimated as 3 times the one-sigma total propagated uncertainty. Results that are greater than the MDC, but less than the DLC are qualified with a "U" flag (not detected). The DL for radiochemical results is the lowest concentration that can be reliably measured and is defined as 3 times the MDC. Results not previously "U" qualified that are less than the DL are qualified with a "J" flag as estimated values.

The reported MDCs for radiochemical analytes demonstrate compliance with contractual requirements.

Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods. All calibration and laboratory spike standards were prepared from independent sources.

Method Blanks

Method blanks are analyzed to assess any contamination that may have occurred during sample preparation. All method blank results associated with the samples were below the DLC for all analytes.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate samples were analyzed for metals as a measure of method performance in the sample matrix. All spike results were within the acceptance range.

Laboratory Replicate Analysis

The laboratory replicate sample results demonstrate acceptable laboratory precision. The relative error ratio calculated from the 1-sigma uncertainties was less than 3, demonstrating acceptable precision.

Laboratory Control Sample

Laboratory control samples were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The laboratory control sample results were acceptable for all analytes.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

EDD File

The EDD file with the complete data arrived on July 26, 2013. The Sample Management System EDD validation module was used to verify that the EDD files were complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

SAMPLE MANAGEMENT SYSTEM

General Data Validation Report

RIN: 13045260 **Lab Code:** GEN **Validator:** Stephen Donivan **Validation Date:** 08/08/2013

Project: Salmon LTS&M **Analysis Type:** ☐ Metals ☐ General Chem ☑ Rad ☐ Organics

# of Samples: 39 **Matrix:** Water **Requested Analysis Completed:** Yes

Chain of Custody

Present: OK **Signed:** OK **Dated:** OK

Sample

Integrity: OK **Preservation:** OK **Temperature:** OK

Select Quality Parameters

☑ Holding Times	All analyses were completed within the applicable holding times.
☑ Detection Limits	There are 0 detection limit failures.
☐ Field/Trip Blanks	
☑ Field Duplicates	There was 1 duplicate evaluated.

SAMPLE MANAGEMENT SYSTEM
Radiochemistry Data Validation Worksheet

RIN: 13045260 **Lab Code:** GEN **Date Due:** 07/25/2013

Matrix: Water **Site Code:** SAL01 **Date Completed:** 07/25/2013

Sample	Analyte	Date Analyzed	Result	Flag	Tracer %R	LCS %R	MS %R	Duplicate
E-7	Actinium-228	07/01/2013						1.24
E-7	Americium-241	07/01/2013						0.73
Blank_Spike	Americium-241	07/01/2013				98.10		
E-7	Antimony-125	07/01/2013						0.58
E-7	Cerium-144	07/01/2013						0.26
Blank_Spike	Cerium-144	07/01/2013						
E-7	Cesium-134	07/01/2013						0.20
E-7	Cesium-137	07/01/2013						0.31
Blank_Spike	Cesium-137	07/01/2013				97.80		
E-7	Cobalt-60	07/01/2013						0.80
Blank_Spike	Cobalt-60	07/01/2013				101.00		
E-7	Europium-152	07/01/2013						0.41
E-7	Europium-154	07/01/2013						1.05
Blank_Spike	Europium-154	07/01/2013						
E-7	Europium-155	07/01/2013						0.06
E-7	Lead-212	07/01/2013						1.11
Blank_Spike	Lead-212	07/01/2013						
E-7	Potassium-40	07/01/2013						0.52
E-7	Promethium-144	07/01/2013						2.23
Blank_Spike	Promethium-144	07/01/2013						
E-7	Promethium-146	07/01/2013						0.91
E-7	Ruthenium-106	07/01/2013						0.44
Blank_Spike	Ruthenium-106	07/01/2013						
E-7	Thorium-234	07/01/2013						1.67
HM-L	Tritium	05/06/2013						0.12
HM-L	Tritium	05/06/2013					85.5	
Blank_Spike	Tritium	05/06/2013				101.00		
Blank	Tritium	05/07/2013	64.6000	U				
GC-E	Tritium	06/08/2013						0.07
SA1-3-H	Tritium	06/08/2013						0.17
Blank_Spike	Tritium	06/08/2013				88.80		
Blank_Spike	Tritium	06/08/2013				101.00		

SAMPLE MANAGEMENT SYSTEM
Radiochemistry Data Validation Worksheet

RIN: 13045260 **Lab Code:** GEN **Date Due:** 07/25/2013

Matrix: Water **Site Code:** SAL01 **Date Completed:** 07/25/2013

Sample	Analyte	Date Analyzed	Result	Flag	Tracer %R	LCS %R	MS %R	Duplicate
GC-E	Tritium	06/08/2013					92.2	
SA1-3-H	Tritium	06/08/2013					95.4	
E-7	Tritium	07/16/2013			70.0			
HM-L2	Tritium	07/16/2013			70.0			
SA1-11-3	Tritium	07/16/2013			70.0			
SA2-1-L	Tritium	07/16/2013			70.0			
SA2-2-L	Tritium	07/16/2013			70.0			
SA2-4-L	Tritium	07/16/2013			70.0			
SA3-11-3	Tritium	07/17/2013			70.0			
SA3-4-H	Tritium	07/17/2013			70.0			
SA4-5-L	Tritium	07/17/2013			70.0			
DLCS	Tritium	07/17/2013			100.0			
DLCS	Tritium	07/17/2013			100.0			
Blank_Spike	Tritium	07/17/2013			70.0	96.70		
Blank	Tritium	07/17/2013	1.3000	U	70.0			
E-7	Uranium-235	07/01/2013						1.14
Blank_Spike	Uranium-235	07/01/2013						
E-7	Uranium-238	07/01/2013						1.67
E-7	Yttrium-88	07/01/2013						0.03
Blank_Spike	Yttrium-88	07/01/2013						

Sampling Quality Control Assessment

The following information summarizes and assesses quality control for this sampling event.

Sampling Protocol

Groundwater samples were collected using dedicated bladder pumps or dedicated submersible Grundfos electric pumps. Data from wells classified as Category I or Category II are qualified with an "F" flag in the database, indicating the wells were purged and sampled using the low-flow sampling method. The data from wells HMH-16R, SA1-12H, SA2-2-L and SA4-5-L were further qualified with a "Q" flag as estimated values because these wells were classified as Category II wells.

Trip Blanks and Equipment Blanks

Trip blanks are prepared and analyzed to document contamination attributable to shipping and field-handling procedures. Equipment blanks are prepared and analyzed to document contamination attributable the sample collection process. Two trip blanks were submitted with these samples. There were no target compounds detected in these blanks. An equipment blank was not collected during this sampling event because dedicated equipment was used for the collection of all samples.

Field Duplicate Assessment

Field duplicate samples are collected and analyzed as an indication of overall precision of the measurement process. The precision observed includes both field and laboratory precision and has more variability than laboratory duplicates, which measure only laboratory performance. The relative percent difference for duplicate results that are greater than 5 times the PQL should be less than 20 percent. For results less than 5 times the PQL, the range should be no greater than the PQL. Duplicate samples were collected from locations HMH-5R and SA5-4-4. The duplicate results met these criteria, demonstrating acceptable overall precision.

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 13045258 **Lab Code:** PAR **Project:** Salmon LTS&M **Validation Date:** 08/08/2013

Duplicate: 2323 **Sample:** HMH-5R

Analyte	Sample				Duplicate				RPD	RER	Units
	Result	Flag	Error	Dilution	Result	Flag	Error	Dilution			
1,1,1,2-Tetrachloroethane	3	U		10	0.3	U		1			UG/L
1,1,1-Trichloroethane	3	U		10	0.3	U		1			UG/L
1,1,2,2-Tetrachloroethane	3	U		10	0.3	U		1			UG/L
1,1,2-Trichloro-1,2,2-trifluoroethane	3	U		10	0.3	U		1			UG/L
1,1,2-Trichloroethane	3	U		10	0.3	U		1			UG/L
1,1-Dichloroethane	3	U		10	0.3	U		1			UG/L
1,1-Dichloroethene	3	U		10	0.3	U		1			UG/L
1,1-Dichloropropene	3	U		10	0.3	U		1			UG/L
1,2,3-Trichlorobenzene	3	U		10	0.3	U		1			UG/L
1,2,3-Trichloropropane	3	U		10	0.3	U		1			UG/L
1,2,4-Trichlorobenzene	3	U		10	0.3	U		1			UG/L
1,2,4-Trimethylbenzene	3	U		10	0.3	U		1			UG/L
1,2-Dibromo-3-chloropropane	4.4	U		10	0.44	U		1			UG/L
1,2-Dibromoethane	3	U		10	0.3	U		1			UG/L
1,2-Dichlorobenzene	3	U		10	0.3	U		1			UG/L
1,2-Dichloroethane	3	U		10	0.3	U		1			UG/L
1,2-Dichloropropane	3	U		10	0.3	U		1			UG/L
1,3,5-Trimethylbenzene	3	U		10	0.3	U		1			UG/L
1,3-Dichlorobenzene	3	U		10	0.3	U		1			UG/L
1,3-Dichloropropane	3	U		10	0.3	U		1			UG/L
1,4-Dichlorobenzene	3	U		10	0.3	U		1			UG/L
1-CHLOROHEXANE	3	U		10	0.3	U		1			UG/L
2,2-Dichloropropane	3	U		10	0.3	U		1			UG/L
2-Butanone	30	U		10	3	U		1			UG/L
2-Chlorotoluene	3	U		10	0.3	U		1			UG/L
2-Hexanone	34	U		10	3.4	U		1			UG/L
4-Chlorotoluene	3	U		10	0.3	U		1			UG/L
4-Isopropyltoluene	3	U		10	0.3	U		1			UG/L
4-Methyl-2-pentanone	34	U		10	3.4	U		1			UG/L
Acetone	30	U		10	3	U		1			UG/L
Arsenic	1.1			10	1.2			10	8.70		UG/L
Barium	170			1	170			1	0		UG/L
Benzene	3	U		10	0.3	U		1			UG/L
Bromobenzene	3	U		10	0.3	U		1			UG/L
Bromochloromethane	3	U		10	0.3	U		1			UG/L
Bromodichloromethane	3	U		10	0.3	U		1			UG/L
Bromoform	3.4	U		10	0.34	U		1			UG/L
Bromomethane	3	U		10	0.3	U		1			UG/L
Carbon Disulfide	3	U		10	0.3	U		1			UG/L
Carbon Tetrachloride	3	U		10	0.3	U		1			UG/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 13045258 **Lab Code:** PAR **Project:** Salmon LTS&M **Validation Date:** 08/08/2013

Duplicate: 2323 **Sample:** HMH-5R

Analyte	Sample Result	Sample Flag	Sample Error	Sample Dilution	Duplicate Result	Duplicate Flag	Duplicate Error	Duplicate Dilution	RPD	RER	Units
Chlorobenzene	3	U		10	0.3	U		1			UG/L
Chloroethane	3	U		10	0.3	U		1			UG/L
Chloroform	3	U		10	0.3	U		1			UG/L
Chloromethane	3	U		10	0.3	U		1			UG/L
Chromium	0.51	U		1	0.51	U		1			UG/L
cis-1,2-Dichloroethene	33			10	37			1	11.43		UG/L
cis-1,3-Dichloropropene	3	U		10	0.3	U		1			UG/L
Dibromochloromethane	3	U		10	0.3	U		1			UG/L
Dibromomethane	3	U		10	0.3	U		1			UG/L
Dichlorodifluoromethane	3	U		10	0.3	U		1			UG/L
Ethylbenzene	3	U		10	0.3	U		1			UG/L
Hexachlorobutadiene	3	U		10	0.3	U		1			UG/L
Iodomethane	3	U		10	0.3	U		1			UG/L
Isopropylbenzene	3	U		10	0.3	U		1			UG/L
Lead	0.068	U		10	0.1	B		10			UG/L
m,p-Xylene	3	U		10	0.3	U		1			UG/L
Methyl tertiary butyl ether	3	U		10	0.3	U		1			UG/L
Methylene Chloride	3	U		10	0.3	U		1			UG/L
Naphthalene	3	U		10	0.3	U		1			UG/L
n-Butylbenzene	3	U		10	0.3	U		1			UG/L
n-Propylbenzene	3	U		10	0.3	U		1			UG/L
o-Xylene	3	U		10	0.3	U		1			UG/L
sec-Butylbenzene	3	U		10	0.3	U		1			UG/L
Styrene	3	U		10	0.3	U		1			UG/L
tert-Butylbenzene	3	U		10	0.3	U		1			UG/L
Tetrachloroethene	1.8	U		10	0.18	U		1			UG/L
Toluene	3	U		10	0.3	U		1			UG/L
trans-1,2-Dichloroethene	3.5	J		10	4.3			1			UG/L
trans-1,3-Dichloropropene	3	U		10	0.3	U		1			UG/L
Trichloroethene	62			10	75	E		1	18.98		UG/L
Trichlorofluoromethane	3	U		10	0.3	U		1			UG/L
Vinyl Acetate	9.6	U		10	0.96	U		1			UG/L
Vinyl Chloride	3	U		10	0.3	U		1			UG/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 13045260 **Lab Code:** GEN **Project:** Salmon LTS&M **Validation Date:** 08/08/2013

Duplicate: 2589 **Sample:** SA5-4-4

Analyte	Sample				Duplicate				RPD	RER	Units
	Result	Flag	Error	Dilution	Result	Flag	Error	Dilution			
Actinium-228	5.63	U	10.4	1.00	2.41	U	8.18	1.00		0.5	pCi/L
Americium-241	5.22	U	10.2	1.00	-5.85	U	7.60	1.00		1.7	pCi/L
Antimony-125	1.72	U	5.08	1.00	-3.37	U	5.09	1.00		1.4	pCi/L
Cerium-144	-2.42	U	14.6	1.00	-3.18	U	13.8	1.00		0.1	pCi/L
Cesium-134	0.449	U	2.01	1.00	0.969	U	2.00	1.00		0.4	pCi/L
Cesium-137	0.480	U	1.82	1.00	0.572	U	1.70	1.00		0.1	pCi/L
Cobalt-60	-0.183	U	1.79	1.00	1.51	U	2.23	1.00		1.2	pCi/L
Europium-152	2.00	U	4.76	1.00	-4.15	U	5.31	1.00		1.7	pCi/L
Europium-154	1.69	U	4.47	1.00	-0.96	U	4.79	1.00		0.8	pCi/L
Europium-155	1.44	U	6.20	1.00	-0.272	U	5.89	1.00		0.4	pCi/L
Lead-212	-0.499	U	4.56	1.00	1.36	U	4.22	1.00		0.6	pCi/L
Potassium-40	15.3	U	26.5	1.00	21.9	U	21.1	1.00		0.4	pCi/L
Promethium-144	1.39	U	1.98	1.00	-0.215	U	1.85	1.00		1.2	pCi/L
Promethium-146	-0.817	U	2.26	1.00	0.956	U	2.15	1.00		1.1	pCi/L
Ruthenium-106	2.14	U	18.4	1.00	21.2	U	29.2	1.00		1.1	pCi/L
Thorium-234	10.9	U	111	1.00	-22.2	U	81.4	1.00		0.5	pCi/L
Tritium	24.8	U	114	1.00	-10.2	U	102	1.00		0.4	pCi/L
Uranium-235	2.56	U	14.3	1.00	2.25	U	13.1	1.00		0	pCi/L
Uranium-238	10.9	U	111	1.00	-22.2	U	81.4	1.00		0.5	pCi/L
Yttrium-88	-0.668	U	3.49	1.00	0.139	U	2.86	1.00		0.4	pCi/L

Certification

All laboratory analytical quality control criteria were met except as qualified in this report. The data qualifiers listed on the database reports are defined on the last page of each report. All data in this package are considered validated and available for use.

Laboratory Coordinator: Stephen Donivan — Stephen Donivan — 3-31-2014 — Date

Data Validation Lead: Stephen Donivan — Stephen Donivan — 3-31-2014 — Date

Attachment 1
Assessment of Anomalous Data

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Potential Outliers Report

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Potential Outliers Report

Potential outliers are measurements that are extremely large or small relative to the rest of the data and, therefore, are suspected of misrepresenting the population from which they were collected. Potential outliers may result from transcription errors, data-coding errors, or measurement system problems. However, outliers may also represent true extreme values of a distribution and indicate more variability in the population than was expected.

Statistical outlier tests give probabilistic evidence that an extreme value does not "fit" with the distribution of the remainder of the data and is therefore a statistical outlier. These tests should only be used to identify data points that require further investigation. The tests alone cannot determine whether a statistical outlier should be discarded or corrected within a data set.

There are three steps involved in identifying extreme values or outliers:

1. Identify extreme values that may be potential outliers by generating the Outliers Report using the Sample Management System from data in the environmental database. The application compares the new data set (in standard environmental database units) with historical data and lists the new data that fall outside the historical data range. A determination is also made if the data are normally distributed using the Shapiro-Wilk Test.
2. Apply the appropriate statistical test. Dixon's Extreme Value test is used to test for statistical outliers when the sample size is less than or equal to 25. This test considers both extreme values that are much smaller than the rest of the data (case 1) and extreme values that are much larger than the rest of the data (case 2). This test is valid only if the data without the suspected outlier are normally distributed. Rosner's Test is a parametric test that is used to detect outliers for sample sizes of 25 or more. This test also assumes that the data without the suspected outliers are normally distributed.
3. Scientifically review statistical outliers and decide on their disposition. The review should include an evaluation of any notable trends in the data that may indicate the outliers represent true extreme values.

The lead result from location HM-L2 and the barium result from location SA3-4-H were identified as potential. There were no errors identified during the review of these data and the data for this event are acceptable as qualified.

Data Validation Outliers Report - No Field Parameters
Comparison: All historical Data Beginning 01/01/2004
Laboratory: ALS Laboratory Group
RIN: 13045258
Report Date: 02/10/2014

					Current			Historical Maximum			Historical Minimum			Number of Data Points		Statistical Outlier
						Qualifiers			Qualifiers			Qualifiers				
Site Code	Location Code	Sample ID	Sample Date	Analyte	Result	*Lab*	*Data*	Result	*Lab*	*Data*	Result	*Lab*	*Data*	N	N Below Detect	
SAL01	HALFMOON CREEK	N001	04/24/2013	Chromium	0.0019	B	J	0.0012	B		0.00051	U		6	4	NA
SAL01	HickHCrTSD-East	N001	04/24/2013	Chromium	0.00059	B	J	0.00057	U		0.00051	U		6	6	No
SAL01	HickHCrTSD-East	N001	04/24/2013	Lead	0.0002			0.00016	B		0.000054			6	1	No
SAL01	HM-3	N001	04/23/2013	Lead	0.0012		F	0.00083		F	0.00032	B	U	6	3	No
SAL01	HMH-5R	0002	04/22/2013	Arsenic	0.0012		F	0.01	U		0.0019		F	10	2	NA
SAL01	HMH-5R	0001	04/22/2013	Arsenic	0.0011		F	0.01	U		0.0019		F	10	2	NA
SAL01	HM-L	N001	04/24/2013	Barium	0.51		F	0.49		F	0.2			7	0	NA
SAL01	HM-L2	N001	04/22/2013	Chromium	0.0012	B	FJ	0.00069	B	U	0.00051	U	F	6	5	NA
SAL01	HM-L2	N001	04/22/2013	Lead	0.001		F	0.00041		F	0.000007	U	F	6	4	Yes
SAL01	HM-S	N001	04/23/2013	Arsenic	0.00026		F	0.00018			0.000079	B	UF	8	3	NA
SAL01	Reeco Pit (B)	N001	04/24/2013	Lead	0.00029		J	0.004			0.00036	B	U	5	1	No
SAL01	Reeco Pit (C)	0001	04/24/2013	Barium	0.021			0.039			0.025			5	0	No
SAL01	Reeco Pit (C)	0001	04/24/2013	Lead	0.0002		J	0.0013			0.00031			5	2	No
SAL01	SA1-12-H	N001	04/22/2013	Barium	0.28		FQ	0.39			0.32		F	6	0	No
SAL01	SA1-2-H	N001	04/23/2013	trans-1,2-Dichloroethene	2.6		F	2.3	J	FQ	0.79	J	F	7	0	No
SAL01	SA1-3-H	0001	04/23/2013	Chromium	0.0048	B	UF	0.0038		F	0.0019	B	FQ	7	2	NA
SAL01	SA1-3-H	N001	04/23/2013	Vinyl chloride	1.8		F	1.7	U		0.34	J	FQ	7	1	No

Data Validation Outliers Report - No Field Parameters
Comparison: All historical Data Beginning 01/01/2004
Laboratory: ALS Laboratory Group
RIN: 13045258
Report Date: 02/10/2014

					Current			Historical Maximum			Historical Minimum			Number of Data Points		Statistical Outlier
						Qualifiers			Qualifiers			Qualifiers				
Site Code	Location Code	Sample ID	Sample Date	Analyte	Result	*Lab*	*Data*	Result	*Lab*	*Data*	Result	*Lab*	*Data*	N	N Below Detect	
SAL01	SA1-5-H	N001	04/24/2013	cis-1,2-Dichloroethene	4.1		F	8.1		F	5.2			6	0	No
SAL01	SA1-7-H	N001	04/23/2013	cis-1,2-Dichloroethene	0.3	U	F	1.7	U		0.59	J	F	6	1	NA
SAL01	SA1-8-L	N001	04/23/2013	Arsenic	0.002		F	0.0082		F	0.0032		F	6	0	No
SAL01	SA2-2-L	N001	04/23/2013	Arsenic	0.0003		FQ	0.004			0.00037		FQ	6	0	No
SAL01	SA2-2-L	N001	04/23/2013	Barium	0.99		FQ	0.89		FQ	0.034	B		7	0	No
SAL01	SA2-2-L	N001	04/23/2013	Lead	0.0048		FQ	0.013		FQ	0.0056		FQ	6	0	No
SAL01	SA2-4-L	N001	04/23/2013	Arsenic	0.0092		F	0.01		F	0.0093		F	5	0	No
SAL01	SA3-4-H	N001	04/23/2013	Barium	0.21		F	0.36		F	0.27		F	8	0	Yes
SAL01	SA4-5-L	N001	04/22/2013	Chromium	0.053		FQ	0.049		FQ	0.0015	B		7	0	No

STATISTICAL TESTS:
The distribution of the data is tested for normality or lognormality using the Shapiro-Wilk Test
Outliers are identified using Dixon's Test when there are 25 or fewer data points.
Outliers are identified using Rosner's Test when there are 26 or more data points.
See Data Quality Assessment: Statistical Methods for Practitioners, EPA QC/G-9S, February 2006.

NA: Data are not normally or lognormally distributed.

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Attachment 2
Data Presentation

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Groundwater Quality Data

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Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: E-7 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Actinium-228	pCi/L	04/22/2013	N001	934	-	934	8.04	U	F	#	15.2	11.8
Americium-241	pCi/L	04/22/2013	N001	934	-	934	-9.21	U	F	#	23.3	14
Antimony-125	pCi/L	04/22/2013	N001	934	-	934	-4.27	U	F	#	9.95	6.31
Cerium-144	pCi/L	04/22/2013	N001	934	-	934	14.9	U	F	#	29.2	17.6
Cesium-134	pCi/L	04/22/2013	N001	934	-	934	0.769	U	F	#	4.69	2.56
Chlorine-36/35 Mass Ratio	NA	04/22/2013	N002	934	-	934	1.5288E-14		F	#		4.07631E-15
Cesium-137	pCi/L	04/22/2013	N001	934	-	934	2.1	U	F	#	4.07	4.3
Cobalt-60	pCi/L	04/22/2013	N001	934	-	934	-.185	U	F	#	3.72	2.01
Dissolved Oxygen	mg/L	04/22/2013	N001	934	-	934	0.57		F	#		
Enriched Tritium	pCi/L	04/22/2013	N001	934	-	934	0.631	U	F	#	2.7	1.56
Europium-152	pCi/L	04/22/2013	N001	934	-	934	3.54	U	F	#	11.5	7.72
Europium-154	pCi/L	04/22/2013	N001	934	-	934	-1.07	U	F	#	11	6.05
Europium-155	pCi/L	04/22/2013	N001	934	-	934	1.35	U	F	#	13.7	7.79
Lead-212	pCi/L	04/22/2013	N001	934	-	934	3.27	U	F	#	7.79	6.2
Oxidation Reduction Potential	mV	04/22/2013	N001	934	-	934	-248.1		F	#		
pH	s.u.	04/22/2013	N001	934	-	934	7.25		F	#		
Potassium-40	pCi/L	04/22/2013	N001	934	-	934	7.79	U	F	#	37.2	36
Promethium-144	pCi/L	04/22/2013	N001	934	-	934	2.67	U	F	#	4.54	2.61

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: E-7 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Promethium-146	pCi/L	04/22/2013	N001	934	-	934	-1.3	U	F	#	4.99	3.02
Ruthenium-106	pCi/L	04/22/2013	N001	934	-	934	-6.41	U	F	#	36.8	20.9
Specific Conductance	umhos /cm	04/22/2013	N001	934	-	934	2133		F	#		
Temperature	C	04/22/2013	N001	934	-	934	22.12		F	#		
Thorium-234	pCi/L	04/22/2013	N001	934	-	934	-85.2	U	F	#	256	151
Turbidity	NTU	04/22/2013	N001	934	-	934	2.98		F	#		
Uranium-235	pCi/L	04/22/2013	N001	934	-	934	-5.4	U	F	#	27	18.9
Uranium-238	pCi/L	04/22/2013	N001	934	-	934	-85.2	U	F	#	256	151
Yttrium-88	pCi/L	04/22/2013	N001	934	-	934	0.186	U	F	#	6.24	3.6

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-1 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Actinium-228	pCi/L	04/24/2013	N001	330	-	415	3.18	U	F	#	16.8	10.7
Americium-241	pCi/L	04/24/2013	N001	330	-	415	14.6	U	F	#	32.8	21
Antimony-125	pCi/L	04/24/2013	N001	330	-	415	-.428	U	F	#	9.86	5.55
Cerium-144	pCi/L	04/24/2013	N001	330	-	415	-9.11	U	F	#	27.5	17.1
Cesium-134	pCi/L	04/24/2013	N001	330	-	415	-.121	U	F	#	3.92	2.11
Cesium-137	pCi/L	04/24/2013	N001	330	-	415	-.479	U	F	#	3.31	1.82
Chlorine-36/35 Mass Ratio	NA	04/24/2013	N002	330	-	415	2.85256E-14		F	#		3.82763E-15
Cobalt-60	pCi/L	04/24/2013	N001	330	-	415	0.134	U	F	#	3.57	2.07
Dissolved Oxygen	mg/L	04/24/2013	N001	330	-	415	0.67		F	#		
Europium-152	pCi/L	04/24/2013	N001	330	-	415	-.27	U	F	#	10.3	5.75
Europium-154	pCi/L	04/24/2013	N001	330	-	415	0.0152	U	F	#	11.8	6.4
Europium-155	pCi/L	04/24/2013	N001	330	-	415	-5.55	U	F	#	14.2	8.89
Lead-212	pCi/L	04/24/2013	N001	330	-	415	-2.83	U	F	#	8.2	5
Oxidation Reduction Potential	mV	04/24/2013	N001	330	-	415	-93.1		F	#		
pH	s.u.	04/24/2013	N001	330	-	415	8.82		F	#		
Potassium-40	pCi/L	04/24/2013	N001	330	-	415	2.66	U	F	#	54	30
Promethium-144	pCi/L	04/24/2013	N001	330	-	415	1.46	U	F	#	3.81	2.01
Promethium-146	pCi/L	04/24/2013	N001	330	-	415	-.303	U	F	#	4.36	2.47

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-1 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Ruthenium-106	pCi/L	04/24/2013	N001	330	-	415	21.6	U	F	#	34.6	31
Specific Conductance	umhos /cm	04/24/2013	N001	330	-	415	216		F	#		
Temperature	C	04/24/2013	N001	330	-	415	20.69		F	#		
Thorium-234	pCi/L	04/24/2013	N001	330	-	415	0	UI	F	#	243	237
Tritium	pCi/L	04/24/2013	N001	330	-	415	52.5	U	F	#	294	168
Turbidity	NTU	04/24/2013	N001	330	-	415	2.21		F	#		
Uranium-235	pCi/L	04/24/2013	N001	330	-	415	6.35	U	F	#	25.4	17
Uranium-238	pCi/L	04/24/2013	N001	330	-	415	0	UI	F	#	243	237
Yttrium-88	pCi/L	04/24/2013	N001	330	-	415	-.506	U	F	#	5.9	3.12

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-2A WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Actinium-228	pCi/L	04/23/2013	N001	440	-	537	1.89	U	F	#	20.5	14.2
Americium-241	pCi/L	04/23/2013	N001	440	-	537	0.113	U	F	#	24	15.2
Antimony-125	pCi/L	04/23/2013	N001	440	-	537	4.18	U	F	#	10.9	6.18
Cerium-144	pCi/L	04/23/2013	N001	440	-	537	-.269	U	F	#	28.9	19.2
Cesium-134	pCi/L	04/23/2013	N001	440	-	537	1.19	U	F	#	4.59	2.46
Cesium-137	pCi/L	04/23/2013	N001	440	-	537	1.16	U	F	#	4.26	2.3
Chlorine-36/35 Mass Ratio	NA	04/23/2013	N002	440	-	537	2.39309E-14		F	#		2.19783E-15
Cobalt-60	pCi/L	04/23/2013	N001	440	-	537	1.05	U	F	#	4.78	2.47
Dissolved Oxygen	mg/L	04/23/2013	N001	440	-	537	1.07		F	#		
Europium-152	pCi/L	04/23/2013	N001	440	-	537	1.27	U	F	#	11.7	6.58
Europium-154	pCi/L	04/23/2013	N001	440	-	537	-3.52	U	F	#	10	7.15
Europium-155	pCi/L	04/23/2013	N001	440	-	537	-.867	U	F	#	14.7	8.65
Lead-212	pCi/L	04/23/2013	N001	440	-	537	0.149	U	F	#	8.64	6.89
Oxidation Reduction Potential	mV	04/23/2013	N001	440	-	537	-145.1		F	#		
pH	s.u.	04/23/2013	N001	440	-	537	7.04		F	#		
Potassium-40	pCi/L	04/23/2013	N001	440	-	537	-1.84	U	F	#	60.5	32.5
Promethium-144	pCi/L	04/23/2013	N001	440	-	537	-1.69	U	F	#	3.93	2.46
Promethium-146	pCi/L	04/23/2013	N001	440	-	537	2.12	U	F	#	4.54	2.83

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-2A WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Ruthenium-106	pCi/L	04/23/2013	N001	440	-	537	17	U	F	#	40.2	21.9
Specific Conductance	umhos /cm	04/23/2013	N001	440	-	537	151		F	#		
Temperature	C	04/23/2013	N001	440	-	537	21.81		F	#		
Thorium-234	pCi/L	04/23/2013	N001	440	-	537	-144	U	F	#	201	169
Tritium	pCi/L	04/23/2013	N001	440	-	537	77.5	U	F	#	315	182
Turbidity	NTU	04/23/2013	N001	440	-	537	1.96		F	#		
Uranium-235	pCi/L	04/23/2013	N001	440	-	537	-20	U	F	#	26.1	21.9
Uranium-238	pCi/L	04/23/2013	N001	440	-	537	-144	U	F	#	201	169
Yttrium-88	pCi/L	04/23/2013	N001	440	-	537	1.25	U	F	#	6.5	3.09

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-2B WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Actinium-228	pCi/L	04/24/2013	N001	600	-	700	2.2	U	F	#	13.6	9
Americium-241	pCi/L	04/24/2013	N001	600	-	700	8.39	U	F	#	18.3	5.53
Antimony-125	pCi/L	04/24/2013	N001	600	-	700	1.76	U	F	#	8.17	5.15
Cerium-144	pCi/L	04/24/2013	N001	600	-	700	-8.37	U	F	#	22	15.6
Cesium-134	pCi/L	04/24/2013	N001	600	-	700	-.00471	U	F	#	3.54	1.95
Cesium-137	pCi/L	04/24/2013	N001	600	-	700	0.372	U	F	#	2.86	3.56
Chlorine-36/35 Mass Ratio	NA	04/24/2013	N002	600	-	700	2.32516E-14		F	#		2.4208E-15
Cobalt-60	pCi/L	04/24/2013	N001	600	-	700	0.398	U	F	#	3.52	2.13
Dissolved Oxygen	mg/L	04/24/2013	N001	600	-	700	0.29		F	#		
Europium-152	pCi/L	04/24/2013	N001	600	-	700	-.569	U	F	#	8.62	4.91
Europium-154	pCi/L	04/24/2013	N001	600	-	700	-.437	U	F	#	8.13	4.33
Europium-155	pCi/L	04/24/2013	N001	600	-	700	3.49	U	F	#	11.4	6.61
Lead-212	pCi/L	04/24/2013	N001	600	-	700	0.539	U	F	#	6.69	4.86
Oxidation Reduction Potential	mV	04/24/2013	N001	600	-	700	-149.3		F	#		
pH	s.u.	04/24/2013	N001	600	-	700	9.45		F	#		
Potassium-40	pCi/L	04/24/2013	N001	600	-	700	-8.1	U	F	#	41.2	24.2
Promethium-144	pCi/L	04/24/2013	N001	600	-	700	-.296	U	F	#	3.49	1.96
Promethium-146	pCi/L	04/24/2013	N001	600	-	700	-1.71	U	F	#	3.21	2.13

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-2B WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Ruthenium-106	pCi/L	04/24/2013	N001	600	-	700	-4.97	U	F	#	28.2	15.9
Specific Conductance	umhos /cm	04/24/2013	N001	600	-	700	468		F	#		
Temperature	C	04/24/2013	N001	600	-	700	20.89		F	#		
Thorium-234	pCi/L	04/24/2013	N001	600	-	700	2.76	U	F	#	166	119
Tritium	pCi/L	04/24/2013	N001	600	-	700	-42.1	U	F	#	314	172
Turbidity	NTU	04/24/2013	N001	600	-	700	2.36		F	#		
Uranium-235	pCi/L	04/24/2013	N001	600	-	700	-5.01	U	F	#	20.3	15
Uranium-238	pCi/L	04/24/2013	N001	600	-	700	2.76	U	F	#	166	119
Yttrium-88	pCi/L	04/24/2013	N001	600	-	700	2.19	U	F	#	5.22	3.9

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-3 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Actinium-228	pCi/L	04/23/2013	N002	740	-	873	-4.89	U	F	#	17	10.2
Americium-241	pCi/L	04/23/2013	N002	740	-	873	-5.48	U	F	#	29.4	17.5
Antimony-125	pCi/L	04/23/2013	N002	740	-	873	-1.12	U	F	#	11	6.15
Arsenic	mg/L	04/23/2013	N001	740	-	873	0.00064		F	#	0.00003	
Barium	mg/L	04/23/2013	N001	740	-	873	0.17		F	#	0.00019	
Cerium-144	pCi/L	04/23/2013	N002	740	-	873	-8.25	U	F	#	29.2	17.1
Cesium-134	pCi/L	04/23/2013	N002	740	-	873	0.537	U	F	#	4.59	2.57
Cesium-137	pCi/L	04/23/2013	N002	740	-	873	-.159	U	F	#	4.11	2.53
Chromium	mg/L	04/23/2013	N001	740	-	873	0.12		F	#	0.00051	
Chlorine-36/35 Mass Ratio	NA	04/23/2013	N003	740	-	873	1.72573E-14		F	#		1.93958E-15
Cobalt-60	pCi/L	04/23/2013	N002	740	-	873	-.138	U	F	#	4.41	2.41
Dissolved Oxygen	mg/L	04/23/2013	N002	740	-	873	0.61		F	#		
Europium-152	pCi/L	04/23/2013	N002	740	-	873	5.45	U	F	#	11.6	6.76
Europium-154	pCi/L	04/23/2013	N002	740	-	873	-.0996	U	F	#	12.2	7.58
Europium-155	pCi/L	04/23/2013	N002	740	-	873	1.6	U	F	#	14.8	8.76
Lead	mg/L	04/23/2013	N001	740	-	873	0.0012		F	#	0.000014	
Lead-212	pCi/L	04/23/2013	N002	740	-	873	3.82	U	F	#	7.35	7.18
Oxidation Reduction Potential	mV	04/23/2013	N002	740	-	873	-128.7		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-3 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	04/23/2013	N002	740	-	873	9.25		F	#		
Potassium-40	pCi/L	04/23/2013	N002	740	-	873	0.0738	U	F	#	50.9	29.5
Promethium-144	pCi/L	04/23/2013	N002	740	-	873	0.767	U	F	#	3.96	2.15
Promethium-146	pCi/L	04/23/2013	N002	740	-	873	-2.23	U	F	#	4	2.59
Ruthenium-106	pCi/L	04/23/2013	N002	740	-	873	-12.8	U	F	#	36.7	22.4
Specific Conductance	umhos /cm	04/23/2013	N002	740	-	873	1254		F	#		
Temperature	C	04/23/2013	N002	740	-	873	21.74		F	#		
Thorium-234	pCi/L	04/23/2013	N002	740	-	873	28.6	U	F	#	270	178
Tritium	pCi/L	04/23/2013	N002	740	-	873	43.2	U	F	#	322	183
Turbidity	NTU	04/23/2013	N002	740	-	873	2.27		F	#		
Uranium-235	pCi/L	04/23/2013	N002	740	-	873	-1.7	U	F	#	25.2	17.7
Uranium-238	pCi/L	04/23/2013	N002	740	-	873	28.6	U	F	#	270	178
Yttrium-88	pCi/L	04/23/2013	N002	740	-	873	0.977	U	F	#	6.81	3.38

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/24/2013	N001	140 - 204	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/24/2013	N001	140 - 204	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/24/2013	N001	140 - 204	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/24/2013	N001	140 - 204	3.4	U	F	#	3.4	
Acetone	ug/L	04/24/2013	N001	140 - 204	3	U	F	#	3	
Actinium-228	pCi/L	04/24/2013	N002	140 - 204	1.19	U	F	#	14.7	9.6
Americium-241	pCi/L	04/24/2013	N002	140 - 204	-1.33	U	F	#	23.5	14.3
Antimony-125	pCi/L	04/24/2013	N002	140 - 204	-1.14	U	F	#	8.17	5.27
Arsenic	mg/L	04/24/2013	N001	140 - 204	0.0012		F	#	0.000074	
Barium	mg/L	04/24/2013	N001	140 - 204	0.51		F	#	0.00019	
Benzene	ug/L	04/24/2013	N001	140 - 204	0.6	J	F	#	0.3	
Bromobenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromochloromethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Bromoform	ug/L	04/24/2013	N001	140 - 204	0.34	U	F	#	0.34	
Bromomethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Cerium-144	pCi/L	04/24/2013	N002	140 - 204	-12.3	U	F	#	22.8	14.7
Cesium-134	pCi/L	04/24/2013	N002	140 - 204	1.85	U	F	#	3.58	2.24
Cesium-137	pCi/L	04/24/2013	N002	140 - 204	0.545	U	F	#	3.47	1.91
Chlorine-36/35 Mass Ratio	NA	04/24/2013	N003	140 - 204	1.59686E-13		F	#		1.14299E-14
Chlorobenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Chloroform	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Chromium	mg/L	04/24/2013	N001	140 - 204	0.0019	B	FJ	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/24/2013	N001	140 - 204	7.7		F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Cobalt-60	pCi/L	04/24/2013	N002	140	-	204	0.177	U	F	#	3.33	1.68
Dibromomethane	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/24/2013	N002	140	-	204	0.43		F	#		
Ethylbenzene	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Europium-152	pCi/L	04/24/2013	N002	140	-	204	-1.98	U	F	#	9.2	5.25
Europium-154	pCi/L	04/24/2013	N002	140	-	204	0.204	U	F	#	9.55	4.87
Europium-155	pCi/L	04/24/2013	N002	140	-	204	-.706	U	F	#	11.7	6.59
Hexachlorobutadiene	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Lead	mg/L	04/24/2013	N001	140	-	204	0.000045	B	FJ	#	0.000034	
Lead-212	pCi/L	04/24/2013	N002	140	-	204	-.141	U	F	#	6.94	4.37
m,p-Xylene	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/24/2013	N001	140	-	204	4		F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
o-Xylene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/24/2013	N002	140 - 204	-101		F	#		
p-Isopropyltoluene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
pH	s.u.	04/24/2013	N002	140 - 204	8.53		F	#		
Potassium-40	pCi/L	04/24/2013	N002	140 - 204	-5.68	U	F	#	43.2	23.9
Promethium-144	pCi/L	04/24/2013	N002	140 - 204	0.862	U	F	#	3.99	2.12
Promethium-146	pCi/L	04/24/2013	N002	140 - 204	-.303	U	F	#	4	2.24
Propane, 2-methoxy-2-methyl-	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Ruthenium-106	pCi/L	04/24/2013	N002	140 - 204	-1.72	U	F	#	31.4	17.7
sec-Butylbenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/24/2013	N002	140 - 204	639		F	#		
Styrene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Temperature	C	04/24/2013	N002	140 - 204	20.57		F	#		
tert-Butylbenzene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/24/2013	N001	140 - 204	0.18	U	F	#	0.18	
Thorium-234	pCi/L	04/24/2013	N002	140 - 204	94.5	U	F	#	180	155
Toluene	ug/L	04/24/2013	N001	140 - 204	0.3	U	F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/24/2013	N001	140 - 204	0.51	J	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,3-dichloropropene	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/24/2013	N001	140	-	204	1.3		F	#	0.3	
Trichlorofluoromethane	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Tritium	pCi/L	04/24/2013	N002	140	-	204	828		FJ	#	486	377
Turbidity	NTU	04/24/2013	N002	140	-	204	0.46		F	#		
Uranium-235	pCi/L	04/24/2013	N002	140	-	204	8.21	U	F	#	22.5	16.8
Uranium-238	pCi/L	04/24/2013	N002	140	-	204	94.5	U	F	#	180	155
Vinyl Acetate	ug/L	04/24/2013	N001	140	-	204	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/24/2013	N001	140	-	204	0.3	U	F	#	0.3	
Yttrium-88	pCi/L	04/24/2013	N002	140	-	204	-2.05	U	F	#	5.78	3.51

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L2 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L2 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/22/2013	N001	10251.49	-	10251.49	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/22/2013	N001	10251.49	-	10251.49	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/22/2013	N001	10251.49	-	10251.49	3.4	U	F	#	3.4	
Acetone	ug/L	04/22/2013	N001	10251.49	-	10251.49	3	U	F	#	3	
Arsenic	mg/L	04/22/2013	N001	10251.49	-	10251.49	0.000077	B	F	#	0.000015	
Barium	mg/L	04/22/2013	N001	10251.49	-	10251.49	0.082		F	#	0.00019	
Benzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Bromoform	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L2 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Chloroform	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Chromium	mg/L	04/22/2013	N001	10251.49	-	10251.49	0.0012	B	FJ	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/22/2013	N002	10251.49	-	10251.49	1.7		F	#		
Enriched Tritium	pCi/L	04/22/2013	N002	10251.49	-	10251.49	0.439	U	F	#	2.44	1.39
Ethylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L2 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Isopropylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Lead	mg/L	04/22/2013	N001	10251.49	-	10251.49	0.001		F	#	0.0000068	
m,p-Xylene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/22/2013	N002	10251.49	-	10251.49	-104		F	#		
p-Isopropyltoluene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
pH	s.u.	04/22/2013	N002	10251.49	-	10251.49	7.37		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/22/2013	N002	10251.49	-	10251.49	408		F	#		
Styrene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Temperature	C	04/22/2013	N002	10251.49	-	10251.49	19.75		F	#		
tert-Butylbenzene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.18	U	F	#	0.18	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-L2 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Toluene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	
Turbidity	NTU	04/22/2013	N002	10251.49	-	10251.49	7.32		F	#		
Vinyl Acetate	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/22/2013	N001	10251.49	-	10251.49	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-S WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	20	-	30	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-S WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	20	-	30	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	20	-	30	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	20	-	30	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	20	-	30	3	U	F	#	3	
Arsenic	mg/L	04/23/2013	N001	20	-	30	0.00026		F	#	0.000015	
Barium	mg/L	04/23/2013	N001	20	-	30	0.038		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	20	-	30	0.43	J	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	20	-	30	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-S WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Chlorine-36/35 Mass Ratio	NA	04/23/2013	N003	20 - 30	5.6576E-14		F	#		5.2E-15
Chlorobenzene	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	N001	20 - 30	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	20 - 30	7.3		F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	20 - 30	0.33		F	#		
Ethylbenzene	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	20 - 30	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-S WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Isopropylbenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Lead	mg/L	04/23/2013	N001	20	-	30	0.00024		F	#	0.0000068	
m,p-Xylene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	20	-	30	-8.5		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	20	-	30	5.93		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	20	-	30	1404		F	#		
Styrene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	20	-	30	20.8		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	20	-	30	0.18	U	F	#	0.18	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HM-S WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Toluene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	20	-	30	1.4		F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	20	-	30	1.8		F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	
Tritium	pCi/L	04/23/2013	N002	20	-	30	303	U	F	#	313	204
Turbidity	NTU	04/23/2013	N002	20	-	30	8.84		F	#		
Vinyl Acetate	ug/L	04/23/2013	N001	20	-	30	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	20	-	30	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,1,1-Trichloroethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,1,2-Trichloroethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,1-Dichloroethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,1-Dichloroethene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,1-Dichloropropene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2,3-Trichloropropane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2013	N001	15	-	24.9	0.44	U	FQ	#	0.44	
1,2-Dibromoethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2-Dichlorobenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2-Dichloroethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,2-Dichloropropane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,3-Dichloropropane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1,4-Dichlorobenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
1-Chlorohexane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
2,2-Dichloropropane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
2-Butanone	ug/L	04/22/2013	N001	15	-	24.9	3	U	FQ	#	3	
2-Chlorotoluene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
2-Hexanone	ug/L	04/22/2013	N001	15	-	24.9	3.4	U	FQ	#	3.4	
4-Chlorotoluene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/22/2013	N001	15	-	24.9	3.4	U	FQ	#	3.4	
Acetone	ug/L	04/22/2013	N001	15	-	24.9	3	U	FQ	#	3	
Arsenic	mg/L	04/22/2013	N001	15	-	24.9	0.00022		FQ	#	0.000015	
Barium	mg/L	04/22/2013	N001	15	-	24.9	0.41		FQ	#	0.00019	
Benzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Bromobenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Bromochloromethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Bromodichloromethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Bromoform	ug/L	04/22/2013	N001	15	-	24.9	0.34	U	FQ	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Carbon Disulfide	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Carbon tetrachloride	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Chlorobenzene	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Chlorodibromomethane	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Chloroethane	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Chloroform	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Chloromethane	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Chromium	mg/L	04/22/2013	N001	15 - 24.9	0.00062	B	FQJ	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Dibromomethane	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Dichlorodifluoromethane	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Dissolved Oxygen	mg/L	04/22/2013	N002	15 - 24.9	7.06		FQ	#		
Ethylbenzene	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Hexachlorobutadiene	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Iodomethane	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	
Isopropylbenzene	ug/L	04/22/2013	N001	15 - 24.9	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/22/2013	N001	15	-	24.9	0.000034	B	FQJ	#	0.0000068	
m,p-Xylene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Methylene chloride	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
n-Butylbenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
n-Propylbenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Naphthalene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
o-Xylene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Oxidation Reduction Potential	mV	04/22/2013	N002	15	-	24.9	123.9		FQ	#		
p-Isopropyltoluene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
pH	s.u.	04/22/2013	N002	15	-	24.9	6.94		FQ	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
sec-Butylbenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Specific Conductance	umhos /cm	04/22/2013	N002	15	-	24.9	980		FQ	#		
Styrene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Temperature	C	04/22/2013	N002	15	-	24.9	19.52		FQ	#		
tert-Butylbenzene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Tetrachloroethene	ug/L	04/22/2013	N001	15	-	24.9	0.18	U	FQ	#	0.18	
Toluene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-16R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
trans-1,3-dichloropropene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Trichloroethene	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Trichlorofluoromethane	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	
Tritium	pCi/L	04/22/2013	N002	15	-	24.9	13.6	U	FQ	#	305	171
Turbidity	NTU	04/22/2013	N002	15	-	24.9	2.64		FQ	#		
Vinyl Acetate	ug/L	04/22/2013	N001	15	-	24.9	0.96	U	FQ	#	0.96	
Vinyl chloride	ug/L	04/22/2013	N001	15	-	24.9	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1,1,2-Tetrachloroethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,2,3-Trichloropropane	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2013	N001	20 - 29.4	0.44	U	F	#	0.44	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2013	N002	20 - 29.4	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dibromoethane	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/22/2013	N001	20 - 29.4	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/22/2013	N002	20 - 29.4	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,3-Dichlorobenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/22/2013	N001	20	-	29.4	3	U	F	#	3	
2-Butanone	ug/L	04/22/2013	N002	20	-	29.4	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
2-Chlorotoluene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/22/2013	N001	20	-	29.4	3.4	U	F	#	3.4	
2-Hexanone	ug/L	04/22/2013	N002	20	-	29.4	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
4-Chlorotoluene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
4-Methyl-2-Pentanone	ug/L	04/22/2013	N001	20	-	29.4	3.4	U	F	#	3.4	
4-Methyl-2-Pentanone	ug/L	04/22/2013	N002	20	-	29.4	3.4	U	F	#	3.4	
Acetone	ug/L	04/22/2013	N001	20	-	29.4	3	U	F	#	3	
Acetone	ug/L	04/22/2013	N002	20	-	29.4	3	U	F	#	3	
Arsenic	mg/L	04/22/2013	0001	20	-	29.4	0.0011		F	#	0.00015	
Arsenic	mg/L	04/22/2013	0002	20	-	29.4	0.0012		F	#	0.00015	
Barium	mg/L	04/22/2013	0001	20	-	29.4	0.17		F	#	0.00019	
Barium	mg/L	04/22/2013	0002	20	-	29.4	0.17		F	#	0.00019	
Benzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Benzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Bromoform	ug/L	04/22/2013	N001	20	-	29.4	0.34	U	F	#	0.34	
Bromoform	ug/L	04/22/2013	N002	20	-	29.4	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Bromomethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Chloroform	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Chloroform	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Chromium	mg/L	04/22/2013	0001	20	-	29.4	0.00051	U	F	#	0.00051	
Chromium	mg/L	04/22/2013	0002	20	-	29.4	0.00051	U	F	#	0.00051	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
cis-1,2-Dichloroethene	ug/L	04/22/2013	N001	20	-	29.4	40		F	#	0.3	
cis-1,2-Dichloroethene	ug/L	04/22/2013	N002	20	-	29.4	37		F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/22/2013	N003	20	-	29.4	3.17		F	#		
Ethylbenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Ethylbenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Lead	mg/L	04/22/2013	0001	20	-	29.4	0.000068	U	F	#	0.000068	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/22/2013	0002	20	-	29.4	0.0001	B	FJ	#	0.000068	
m,p-Xylene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
m,p-Xylene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/22/2013	N003	20	-	29.4	8.1		F	#		
p-Isopropyltoluene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
p-Isopropyltoluene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
pH	s.u.	04/22/2013	N003	20	-	29.4	5.52		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/22/2013	N003	20	-	29.4	296		F	#		
Styrene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Styrene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Temperature	C	04/22/2013	N003	20	-	29.4	18.27		F	#		
tert-Butylbenzene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
tert-Butylbenzene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/22/2013	N001	20	-	29.4	0.18	U	F	#	0.18	
Tetrachloroethene	ug/L	04/22/2013	N002	20	-	29.4	0.18	U	F	#	0.18	
Toluene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Toluene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/22/2013	N001	20	-	29.4	4.9		F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/22/2013	N002	20	-	29.4	4.3		F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/22/2013	N001	20	-	29.4	62		F	#	3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMH-5R WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Trichloroethene	ug/L	04/22/2013	N002	20	-	29.4	78		F	#	3	
Trichlorofluoromethane	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	
Tritium	pCi/L	04/22/2013	N003	20	-	29.4	946		F	#	308	295
Turbidity	NTU	04/22/2013	N003	20	-	29.4	40.6		F	#		
Vinyl Acetate	ug/L	04/22/2013	N001	20	-	29.4	0.96	U	F	#	0.96	
Vinyl Acetate	ug/L	04/22/2013	N002	20	-	29.4	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/22/2013	N001	20	-	29.4	0.3	U	F	#	0.3	
Vinyl chloride	ug/L	04/22/2013	N002	20	-	29.4	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/25/2013	N001	10	-	29.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/25/2013	N001	10	-	29.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/25/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/25/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/25/2013	N001	10	-	29.5	3	U	F	#	3	
Arsenic	mg/L	04/25/2013	N001	10	-	29.5	0.0041		F	#	0.00015	
Barium	mg/L	04/25/2013	N001	10	-	29.5	0.3		F	#	0.00019	
Benzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/25/2013	N001	10	-	29.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/25/2013	N001	10	-	29.5	0.0011	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/25/2013	N001	10	-	29.5	7.4		F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/25/2013	N002	10	-	29.5	2.41		F	#		
Ethylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/25/2013	N001	10	-	29.5	0.0002	B	FJ	#	0.000068	
m,p-Xylene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/25/2013	N002	10	-	29.5	56.8		F	#		
p-Isopropyltoluene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
pH	s.u.	04/25/2013	N002	10	-	29.5	5.87		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/25/2013	N002	10	-	29.5	684		F	#		
Styrene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Temperature	C	04/25/2013	N002	10	-	29.5	18.02		F	#		
tert-Butylbenzene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/25/2013	N001	10	-	29.5	0.18	U	F	#	0.18	
Toluene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-1-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/25/2013	N001	10	-	29.5	2.6		F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/25/2013	N001	10	-	29.5	2.3		F	#	0.3	
Trichlorofluoromethane	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tritium	pCi/L	04/25/2013	N002	10	-	29.5	2790		F	#	313	627
Turbidity	NTU	04/25/2013	N002	10	-	29.5	9.43		F	#		
Vinyl Acetate	ug/L	04/25/2013	N001	10	-	29.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/25/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-11-3 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Arsenic	mg/L	04/23/2013	N001	843.2	-	903.2	0.000061	B	F	#	0.000015	
Barium	mg/L	04/23/2013	N001	843.2	-	903.2	0.13		F	#	0.00019	
Chromium	mg/L	04/23/2013	N001	843.2	-	903.2	0.00051	B	FJ	#	0.00051	
Dissolved Oxygen	mg/L	04/23/2013	N002	843.2	-	903.2	0.93		F	#		
Enriched Tritium	pCi/L	04/23/2013	N002	843.2	-	903.2	0.917	U	F	#	2.61	1.53
Lead	mg/L	04/23/2013	N001	843.2	-	903.2	0.000039	B	FJ	#	0.0000068	
Oxidation Reduction Potential	mV	04/23/2013	N002	843.2	-	903.2	-204.6		F	#		
pH	s.u.	04/23/2013	N002	843.2	-	903.2	8.18		F	#		
Specific Conductance	umhos /cm	04/23/2013	N002	843.2	-	903.2	974		F	#		
Temperature	C	04/23/2013	N002	843.2	-	903.2	21.79		F	#		
Turbidity	NTU	04/23/2013	N002	843.2	-	903.2	1.1		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,1,1-Trichloroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,1,2-Trichloroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,1-Dichloroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,1-Dichloroethene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,1-Dichloropropene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2,3-Trichloropropane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2013	N001	22	-	29.5	0.44	U	FQ	#	0.44	
1,2-Dibromoethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2-Dichlorobenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2-Dichloroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,2-Dichloropropane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,3-Dichloropropane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1,4-Dichlorobenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
1-Chlorohexane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
2,2-Dichloropropane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
2-Butanone	ug/L	04/22/2013	N001	22	-	29.5	3	U	FQ	#	3	
2-Chlorotoluene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
2-Hexanone	ug/L	04/22/2013	N001	22	-	29.5	3.4	U	FQ	#	3.4	
4-Chlorotoluene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/22/2013	N001	22	-	29.5	3.4	U	FQ	#	3.4	
Acetone	ug/L	04/22/2013	N001	22	-	29.5	3	U	FQ	#	3	
Arsenic	mg/L	04/22/2013	N001	22	-	29.5	0.00013		FQ	#	0.000015	
Barium	mg/L	04/22/2013	N001	22	-	29.5	0.28		FQ	#	0.00019	
Benzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Bromobenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Bromochloromethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Bromodichloromethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Bromoform	ug/L	04/22/2013	N001	22	-	29.5	0.34	U	FQ	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Carbon Disulfide	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Carbon tetrachloride	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Chlorobenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Chlorodibromomethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Chloroethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Chloroform	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Chloromethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Chromium	mg/L	04/22/2013	N001	22	-	29.5	0.00051	U	FQ	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Dibromomethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Dichlorodifluoromethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Dissolved Oxygen	mg/L	04/22/2013	N002	22	-	29.5	4.86		FQ	#		
Ethylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Hexachlorobutadiene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Iodomethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Isopropylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/22/2013	N001	22	-	29.5	0.000044	B	FQJ	#	0.0000068	
m,p-Xylene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Methylene chloride	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
n-Butylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
n-Propylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Naphthalene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
o-Xylene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Oxidation Reduction Potential	mV	04/22/2013	N002	22	-	29.5	118.8		FQ	#		
p-Isopropyltoluene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
pH	s.u.	04/22/2013	N002	22	-	29.5	6.95		FQ	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
sec-Butylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Specific Conductance	umhos /cm	04/22/2013	N002	22	-	29.5	344		FQ	#		
Styrene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Temperature	C	04/22/2013	N002	22	-	29.5	18.71		FQ	#		
tert-Butylbenzene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Tetrachloroethene	ug/L	04/22/2013	N001	22	-	29.5	0.18	U	FQ	#	0.18	
Toluene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-12-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
trans-1,3-dichloropropene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Trichloroethene	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Trichlorofluoromethane	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	
Tritium	pCi/L	04/22/2013	N002	22	-	29.5	20.6	U	FQ	#	307	173
Turbidity	NTU	04/22/2013	N002	22	-	29.5	1.77		FQ	#		
Vinyl Acetate	ug/L	04/22/2013	N001	22	-	29.5	0.96	U	FQ	#	0.96	
Vinyl chloride	ug/L	04/22/2013	N001	22	-	29.5	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
Arsenic	mg/L	04/23/2013	0001	10	-	29.5	0.0025		F	#	0.000074	
Barium	mg/L	04/23/2013	0001	10	-	29.5	0.04		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	10	-	29.5	0.45	J	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	10	-	29.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	0001	10	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	7.9		F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	10	-	29.5	0.24		F	#		
Ethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/23/2013	0001	10	-	29.5	0.000034	U	F	#	0.000034	
m,p-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	10	-	29.5	-18.7		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	10	-	29.5	6.06		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	10	-	29.5	1678		F	#		
Styrene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	10	-	29.5	18.75		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.18	U	F	#	0.18	
Toluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-2-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	2.6		F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	10	-	29.5	1.9		F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tritium	pCi/L	04/23/2013	N002	10	-	29.5	605		FJ	#	314	245
Turbidity	NTU	04/23/2013	N002	10	-	29.5	24.1		F	#		
Vinyl Acetate	ug/L	04/23/2013	N001	10	-	29.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
Arsenic	mg/L	04/23/2013	0001	10	-	29.5	0.015		F	#	0.00015	
Barium	mg/L	04/23/2013	0001	10	-	29.5	0.08		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	10	-	29.5	0.7	J	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	10	-	29.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	0001	10	-	29.5	0.0048	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	52		F	#	3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	10	-	29.5	0.14		F	#		
Ethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/23/2013	0001	10	-	29.5	0.000068	U	F	#	0.000068	
m,p-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	10	-	29.5	-48.5		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	10	-	29.5	6.51		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	10	-	29.5	3096		F	#		
Styrene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	10	-	29.5	18.79		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.26	J	F	#	0.18	
Toluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-3-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	27		F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	10	-	29.5	3.2		F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tritium	pCi/L	04/23/2013	N002	10	-	29.5	280		FJ	#	210	162
Turbidity	NTU	04/23/2013	N002	10	-	29.5	80		F	#		
Vinyl Acetate	ug/L	04/23/2013	N001	10	-	29.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	10	-	29.5	1.8		F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2013	N001	10	-	29.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/22/2013	N001	10	-	29.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/22/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/22/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/22/2013	N001	10	-	29.5	3	U	F	#	3	
Arsenic	mg/L	04/22/2013	N001	10	-	29.5	0.00042		F	#	0.000015	
Barium	mg/L	04/22/2013	N001	10	-	29.5	0.27		F	#	0.00019	
Benzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/22/2013	N001	10	-	29.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/22/2013	N001	10	-	29.5	0.00071	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/22/2013	N002	10	-	29.5	1.96		F	#		
Ethylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/22/2013	N001	10	-	29.5	0.00006		FJ	#	0.0000068	
m,p-Xylene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/22/2013	N002	10	-	29.5	-24.3		F	#		
p-Isopropyltoluene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
pH	s.u.	04/22/2013	N002	10	-	29.5	5.71		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/22/2013	N002	10	-	29.5	248		F	#		
Styrene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Temperature	C	04/22/2013	N002	10	-	29.5	18.34		F	#		
tert-Butylbenzene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/22/2013	N001	10	-	29.5	0.18	U	F	#	0.18	
Toluene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tritium	pCi/L	04/22/2013	N002	10	-	29.5	105	U	F	#	209	126
Turbidity	NTU	04/22/2013	N002	10	-	29.5	9.08		F	#		
Vinyl Acetate	ug/L	04/22/2013	N001	10	-	29.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/22/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/24/2013	N001	13 - 29.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/24/2013	N001	13 - 29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/24/2013	N001	13	-	29.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/24/2013	N001	13	-	29.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/24/2013	N001	13	-	29.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/24/2013	N001	13	-	29.5	3	U	F	#	3	
Arsenic	mg/L	04/24/2013	N001	13	-	29.5	0.0024		F	#	0.000015	
Barium	mg/L	04/24/2013	N001	13	-	29.5	0.022		F	#	0.00019	
Benzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/24/2013	N001	13	-	29.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/24/2013	N001	13	-	29.5	0.001	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/24/2013	N001	13	-	29.5	4.1		F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/24/2013	N002	20	-	29.5	2.37		F	#		
Ethylbenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/24/2013	N001	13	-	29.5	0.00032		F	#	0.0000068	
m,p-Xylene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/24/2013	N002	20	-	29.5	30.8		F	#		
p-Isopropyltoluene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
pH	s.u.	04/24/2013	N002	20	-	29.5	6.12		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/24/2013	N002	20	-	29.5	1670		F	#		
Styrene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Temperature	C	04/24/2013	N002	20	-	29.5	18.65		F	#		
tert-Butylbenzene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/24/2013	N001	13	-	29.5	0.18	U	F	#	0.18	
Toluene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-5-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/24/2013	N001	13	-	29.5	1.4		F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	
Tritium	pCi/L	04/24/2013	N002	20	-	29.5	177	U	F	#	222	147
Turbidity	NTU	04/24/2013	N002	20	-	29.5	9.51		F	#		
Vinyl Acetate	ug/L	04/24/2013	N001	13	-	29.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/24/2013	N001	13	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/25/2013	N001	3	-	22.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/25/2013	N001	3	-	22.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/25/2013	N001	3	-	22.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/25/2013	N001	3	-	22.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/25/2013	N001	3	-	22.5	3	U	F	#	3	
Arsenic	mg/L	04/25/2013	N001	3	-	22.5	0.0028		F	#	0.000015	
Barium	mg/L	04/25/2013	N001	3	-	22.5	0.023		F	#	0.00019	
Benzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/25/2013	N001	3	-	22.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/25/2013	N001	3	-	22.5	0.00066	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/25/2013	N002	3	-	22.5	1.52		F	#		
Ethylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/25/2013	N001	3	-	22.5	0.00011		FJ	#	0.0000068	
m,p-Xylene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/25/2013	N002	3	-	22.5	90.6		F	#		
p-Isopropyltoluene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
pH	s.u.	04/25/2013	N002	3	-	22.5	5.45		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/25/2013	N002	3	-	22.5	59		F	#		
Styrene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Temperature	C	04/25/2013	N002	3	-	22.5	17.87		F	#		
tert-Butylbenzene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/25/2013	N001	3	-	22.5	0.18	U	F	#	0.18	
Toluene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-6-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	
Tritium	pCi/L	04/25/2013	N002	3	-	22.5	-34.4	U	F	#	212	98.4
Turbidity	NTU	04/25/2013	N002	3	-	22.5	3.05		F	#		
Vinyl Acetate	ug/L	04/25/2013	N001	3	-	22.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/25/2013	N001	3	-	22.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
Arsenic	mg/L	04/23/2013	N001	10	-	29.5	0.012		F	#	0.00015	
Barium	mg/L	04/23/2013	N001	10	-	29.5	0.29		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	10	-	29.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	N001	10	-	29.5	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	10	-	29.5	0.48		F	#		
Ethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/23/2013	N001	10	-	29.5	0.000068	U	F	#	0.000068	
m,p-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	10	-	29.5	-5.3		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	10	-	29.5	5.94		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	10	-	29.5	1119		F	#		
Styrene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	10	-	29.5	20.18		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.18	U	F	#	0.18	
Toluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-7-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tritium	pCi/L	04/23/2013	N002	10	-	29.5	-22.4	U	F	#	212	101
Turbidity	NTU	04/23/2013	N002	10	-	29.5	9.89		F	#		
Vinyl Acetate	ug/L	04/23/2013	N001	10	-	29.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-8-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	145	-	185	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-8-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	145 - 185	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	145 - 185	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	145 - 185	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	145 - 185	3	U	F	#	3	
Arsenic	mg/L	04/23/2013	N001	145 - 185	0.002		F	#	0.000074	
Barium	mg/L	04/23/2013	N001	145 - 185	0.22		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	145 - 185	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	145 - 185	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-8-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	N001	145	-	185	0.0011	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	145	-	185	1.59		F	#		
Ethylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-8-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/23/2013	N001	145	-	185	0.000034	U	F	#	0.000034	
m,p-Xylene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	145	-	185	-72.4		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	145	-	185	6.65		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	145	-	185	194		F	#		
Styrene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	145	-	185	22.25		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	145	-	185	0.18	U	F	#	0.18	
Toluene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA1-8-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	
Tritium	pCi/L	04/23/2013	N002	145	-	185	12.2	U	F	#	214	110
Turbidity	NTU	04/23/2013	N002	145	-	185	5.2		F	#		
Vinyl Acetate	ug/L	04/23/2013	N001	145	-	185	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	145	-	185	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-1-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	278.1	-	338.1	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-1-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	278.1	-	338.1	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	278.1	-	338.1	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	278.1	-	338.1	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	278.1	-	338.1	3	U	F	#	3	
Arsenic	mg/L	04/23/2013	N001	278.1	-	338.1	0.01		F	#	0.00015	
Barium	mg/L	04/23/2013	N001	278.1	-	338.1	0.062		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	278.1	-	338.1	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-1-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	N001	278.1	-	338.1	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	278.1	-	338.1	2.07		F	#		
Enriched Tritium	pCi/L	04/23/2013	N002	278.1	-	338.1	0.639	U	F	#	2.48	1.43
Ethylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-1-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Isopropylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Lead	mg/L	04/23/2013	N001	278.1	-	338.1	0.000068	U	F	#	0.000068	
m,p-Xylene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	278.1	-	338.1	-94.2		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	278.1	-	338.1	8.64		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	278.1	-	338.1	294		F	#		
Styrene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	278.1	-	338.1	20.67		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	278.1	-	338.1	0.18	U	F	#	0.18	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-1-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Toluene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	
Turbidity	NTU	04/23/2013	N002	278.1	-	338.1	1.78		F	#		
Vinyl Acetate	ug/L	04/23/2013	N001	278.1	-	338.1	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	278.1	-	338.1	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-2-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	275	-	335	0.44	U	FQ	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-2-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	275	-	335	3	U	FQ	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	275	-	335	3.4	U	FQ	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	275	-	335	3.4	U	FQ	#	3.4	
Acetone	ug/L	04/23/2013	N001	275	-	335	11		FQJ	#	3	
Arsenic	mg/L	04/23/2013	N001	275	-	335	0.0003		FQ	#	0.000015	
Barium	mg/L	04/23/2013	N001	275	-	335	0.99		FQ	#	0.00019	
Benzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Bromoform	ug/L	04/23/2013	N001	275	-	335	0.34	U	FQ	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-2-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Chlorobenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Chloroform	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Chromium	mg/L	04/23/2013	N001	275	-	335	0.014		FQ	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Enriched Tritium	pCi/L	04/23/2013	N002	275	-	335	0.639	U	FQ	#	2.48	1.43
Ethylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Isopropylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-2-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/23/2013	N001	275	-	335	0.0048		FQ	#	0.0000068	
m,p-Xylene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	275	-	335	-106		FQ	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
pH	s.u.	04/23/2013	N002	275	-	335	11.79		FQ	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	275	-	335	7106		FQ	#		
Styrene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Temperature	C	04/23/2013	N002	275	-	335	21.05		FQ	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	275	-	335	0.18	U	FQ	#	0.18	
Toluene	ug/L	04/23/2013	N001	275	-	335	0.31	J	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-2-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	
Turbidity	NTU	04/23/2013	N002	275	-	335	4.33		FQ	#		
Vinyl Acetate	ug/L	04/23/2013	N001	275	-	335	0.96	U	FQ	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	275	-	335	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	200	-	240	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	200	-	240	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	200	-	240	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	200	-	240	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	200	-	240	3	U	F	#	3	
Actinium-228	pCi/L	04/23/2013	N002	200	-	240	7.73	U	F	#	15.3	10.9
Americium-241	pCi/L	04/23/2013	N002	200	-	240	-7.04	U	F	#	18.3	14.8
Antimony-125	pCi/L	04/23/2013	N002	200	-	240	-.921	U	F	#	9.26	5.23
Arsenic	mg/L	04/23/2013	N001	200	-	240	0.0092		F	#	0.00015	
Barium	mg/L	04/23/2013	N001	200	-	240	0.11		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromochloromethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	200	-	240	0.34	U	F	#	0.34	
Bromomethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Cerium-144	pCi/L	04/23/2013	N002	200	-	240	2.85	U	F	#	26.9	15.4
Cesium-134	pCi/L	04/23/2013	N002	200	-	240	-.469	U	F	#	3.55	1.95
Cesium-137	pCi/L	04/23/2013	N002	200	-	240	0.389	U	F	#	3.39	3.34
Chlorobenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	N001	200	-	240	0.00051	U	F	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Cobalt-60	pCi/L	04/23/2013	N002	200	-	240	-.0814	U	F	#	3.67	2.33

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Dibromomethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	200	-	240	1.46		F	#		
Enriched Tritium	pCi/L	04/23/2013	N002	200	-	240	0.415	U	F	#	2.69	1.53
Ethylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Europium-152	pCi/L	04/23/2013	N002	200	-	240	-2.6	U	F	#	9.6	5.61
Europium-154	pCi/L	04/23/2013	N002	200	-	240	0.347	U	F	#	10.4	5.6
Europium-155	pCi/L	04/23/2013	N002	200	-	240	-2.52	U	F	#	13.1	7.66
Hexachlorobutadiene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Isopropylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Lead	mg/L	04/23/2013	N001	200	-	240	0.00009	B	FJ	#	0.000068	
Lead-212	pCi/L	04/23/2013	N002	200	-	240	0.305	U	F	#	6.45	5.31
m,p-Xylene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
o-Xylene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	200	-	240	-83.2		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	200	-	240	7.94		F	#		
Potassium-40	pCi/L	04/23/2013	N002	200	-	240	7.93	U	F	#	47.7	26.6
Promethium-144	pCi/L	04/23/2013	N002	200	-	240	-1.43	U	F	#	3.52	3.04
Promethium-146	pCi/L	04/23/2013	N002	200	-	240	-.676	U	F	#	4.45	2.55
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Ruthenium-106	pCi/L	04/23/2013	N002	200	-	240	10.9	U	F	#	36.1	20
sec-Butylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	200	-	240	283		F	#		
Styrene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	200	-	240	20.02		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	200	-	240	0.18	U	F	#	0.18	
Thorium-234	pCi/L	04/23/2013	N002	200	-	240	60.8	U	F	#	152	104
Toluene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA2-4-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Turbidity	NTU	04/23/2013	N002	200	-	240	2.01		F	#		
Uranium-235	pCi/L	04/23/2013	N002	200	-	240	6.86	U	F	#	23.7	16.7
Uranium-238	pCi/L	04/23/2013	N002	200	-	240	60.8	U	F	#	152	104
Vinyl Acetate	ug/L	04/23/2013	N001	200	-	240	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	200	-	240	0.3	U	F	#	0.3	
Yttrium-88	pCi/L	04/23/2013	N002	200	-	240	0.5	U	F	#	6.55	3.37

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA3-11-3 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Arsenic	mg/L	04/22/2013	N001	736	-	839.5	0.00005	B	F	#	0.000015	
Barium	mg/L	04/22/2013	N001	736	-	839.5	0.042		F	#	0.00019	
Chromium	mg/L	04/22/2013	N001	736	-	839.5	0.00075	B	UF	#	0.00051	
Dissolved Oxygen	mg/L	04/22/2013	N002	736	-	839.5	1.33		F	#		
Enriched Tritium	pCi/L	04/22/2013	N002	736	-	839.5	1.35	U	F	#	2.77	1.64
Lead	mg/L	04/22/2013	N001	736	-	839.5	0.000073		FJ	#	0.0000068	
Oxidation Reduction Potential	mV	04/22/2013	N002	736	-	839.5	-157		F	#		
pH	s.u.	04/22/2013	N002	736	-	839.5	7.3		F	#		
Specific Conductance	umhos /cm	04/22/2013	N002	736	-	839.5	4857		F	#		
Temperature	C	04/22/2013	N002	736	-	839.5	20.93		F	#		
Turbidity	NTU	04/22/2013	N002	736	-	839.5	2.11		F	#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,1-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1,2-Trichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,1-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,3-Trichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.44	U	F	#	0.44	
1,2-Dibromoethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,3-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1,4-Dichlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
1-Chlorohexane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2,2-Dichloropropane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Butanone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
2-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
2-Hexanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
4-Chlorotoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/23/2013	N001	10	-	29.5	3.4	U	F	#	3.4	
Acetone	ug/L	04/23/2013	N001	10	-	29.5	3	U	F	#	3	
Arsenic	mg/L	04/23/2013	N001	10	-	29.5	0.00008	B	F	#	0.000015	
Barium	mg/L	04/23/2013	N001	10	-	29.5	0.21		F	#	0.00019	
Benzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromochloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromodichloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Bromoform	ug/L	04/23/2013	N001	10	-	29.5	0.34	U	F	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon Disulfide	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Carbon tetrachloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorobenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chlorodibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloroform	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chloromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Chromium	mg/L	04/23/2013	N001	10	-	29.5	0.00067	B	UF	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dibromomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dichlorodifluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Dissolved Oxygen	mg/L	04/23/2013	N002	10	-	29.5	2.31		F	#		
Enriched Tritium	pCi/L	04/23/2013	N002	10	-	29.5	6.15		FJ	#	2.52	1.81
Ethylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Hexachlorobutadiene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Iodomethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Isopropylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Lead	mg/L	04/23/2013	N001	10	-	29.5	0.00003	B	FJ	#	0.0000068	
m,p-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Methylene chloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
n-Propylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Naphthalene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
o-Xylene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Oxidation Reduction Potential	mV	04/23/2013	N002	10	-	29.5	111.8		F	#		
p-Isopropyltoluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
pH	s.u.	04/23/2013	N002	10	-	29.5	6.32		F	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
sec-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Specific Conductance	umhos /cm	04/23/2013	N002	10	-	29.5	272		F	#		
Styrene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Temperature	C	04/23/2013	N002	10	-	29.5	19.7		F	#		
tert-Butylbenzene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Tetrachloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.18	U	F	#	0.18	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA3-4-H WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Toluene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
trans-1,3-dichloropropene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichloroethene	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Trichlorofluoromethane	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	
Turbidity	NTU	04/23/2013	N002	10	-	29.5	0.6		F	#		
Vinyl Acetate	ug/L	04/23/2013	N001	10	-	29.5	0.96	U	F	#	0.96	
Vinyl chloride	ug/L	04/23/2013	N001	10	-	29.5	0.3	U	F	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA4-5-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,1,1-Trichloroethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,1,2-Trichloroethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,1-Dichloroethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,1-Dichloroethene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,1-Dichloropropene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2,3-Trichloropropane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/22/2013	N001	160	-	170	0.44	U	FQ	#	0.44	
1,2-Dibromoethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2-Dichlorobenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2-Dichloroethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,2-Dichloropropane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA4-5-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
1,3-Dichloropropane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
1,4-Dichlorobenzene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
1-Chlorohexane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
2,2-Dichloropropane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
2-Butanone	ug/L	04/22/2013	N001	160 - 170	4.7	J	FQ	#	3	
2-Chlorotoluene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
2-Hexanone	ug/L	04/22/2013	N001	160 - 170	3.4	U	FQ	#	3.4	
4-Chlorotoluene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
4-Methyl-2-Pentanone	ug/L	04/22/2013	N001	160 - 170	3.4	U	FQ	#	3.4	
Acetone	ug/L	04/22/2013	N001	160 - 170	28		FQJ	#	3	
Arsenic	mg/L	04/22/2013	N001	160 - 170	0.00016		FQ	#	0.000015	
Barium	mg/L	04/22/2013	N001	160 - 170	2.7		FQ	#	0.00019	
Benzene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Bromobenzene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Bromochloromethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Bromodichloromethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Bromoform	ug/L	04/22/2013	N001	160 - 170	0.34	U	FQ	#	0.34	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA4-5-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Carbon Disulfide	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Carbon tetrachloride	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Chlorobenzene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Chlorodibromomethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Chloroethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Chloroform	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Chloromethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Chromium	mg/L	04/22/2013	N001	160 - 170	0.053		FQ	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
cis-1,3-Dichloropropene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Dibromomethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Dichlorodifluoromethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Dissolved Oxygen	mg/L	04/22/2013	N002	160 - 170	7.44		FQ	#		
Enriched Tritium	pCi/L	04/22/2013	N002	160 - 170	2.42	U	FQ	#	2.48	1.55
Ethylbenzene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Hexachlorobutadiene	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	
Iodomethane	ug/L	04/22/2013	N001	160 - 170	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA4-5-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Isopropylbenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Lead	mg/L	04/22/2013	N001	160	-	170	0.0044		FQ	#	0.0000068	
m,p-Xylene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Methylene chloride	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
n-Butylbenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
n-Propylbenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Naphthalene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
o-Xylene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Oxidation Reduction Potential	mV	04/22/2013	N002	160	-	170	-123.5		FQ	#		
p-Isopropyltoluene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
pH	s.u.	04/22/2013	N002	160	-	170	11.69		FQ	#		
Propane, 2-methoxy-2-methyl-	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
sec-Butylbenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Specific Conductance	umhos /cm	04/22/2013	N002	160	-	170	6650		FQ	#		
Styrene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Temperature	C	04/22/2013	N002	160	-	170	20.55		FQ	#		
tert-Butylbenzene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Tetrachloroethene	ug/L	04/22/2013	N001	160	-	170	0.18	U	FQ	#	0.18	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA4-5-L WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Toluene	ug/L	04/22/2013	N001	160	-	170	2.2		FQ	#	0.3	
trans-1,2-Dichloroethene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
trans-1,3-dichloropropene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Trichloroethene	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Trichlorofluoromethane	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	
Turbidity	NTU	04/22/2013	N002	160	-	170	2.6		FQ	#		
Vinyl Acetate	ug/L	04/22/2013	N001	160	-	170	0.96	U	FQ	#	0.96	
Vinyl chloride	ug/L	04/22/2013	N001	160	-	170	0.3	U	FQ	#	0.3	

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA5-4-4 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Actinium-228	pCi/L	04/25/2013	N001	1798.5 - 2078.4	5.63	U		#	14.9	10.4
Actinium-228	pCi/L	04/25/2013	N002	1798.5 - 2078.4	2.41	U		#	13.9	8.18
Americium-241	pCi/L	04/25/2013	N001	1798.5 - 2078.4	5.22	U		#	16.9	10.2
Americium-241	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-5.85	U		#	11.5	7.6
Antimony-125	pCi/L	04/25/2013	N001	1798.5 - 2078.4	1.72	U		#	9.27	5.08
Antimony-125	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-3.37	U		#	7.93	5.09
Cerium-144	pCi/L	04/25/2013	N001	1798.5 - 2078.4	-2.42	U		#	22.6	14.6
Cerium-144	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-3.18	U		#	23.2	13.8
Cesium-134	pCi/L	04/25/2013	N001	1798.5 - 2078.4	0.449	U		#	3.72	2.01
Cesium-134	pCi/L	04/25/2013	N002	1798.5 - 2078.4	0.969	U		#	3.7	2
Cesium-137	pCi/L	04/25/2013	N001	1798.5 - 2078.4	0.48	U		#	3.3	1.82
Cesium-137	pCi/L	04/25/2013	N002	1798.5 - 2078.4	0.572	U		#	3.15	1.7
Chlorine-36/35 Mass Ratio	NA	04/25/2013	N003	1798.5 - 2078.4	1.15644E-14			#		1.9422E-15
Cobalt-60	pCi/L	04/25/2013	N001	1798.5 - 2078.4	-.183	U		#	2.95	1.79
Cobalt-60	pCi/L	04/25/2013	N002	1798.5 - 2078.4	1.51	U		#	3.44	2.23
Dissolved Oxygen	mg/L	04/25/2013	N001	1798.5 - 2078.4	0.04			#		
Europium-152	pCi/L	04/25/2013	N001	1798.5 - 2078.4	2	U		#	8.77	4.76
Europium-152	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-4.15	U		#	8.12	5.31

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA5-4-4 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Europium-154	pCi/L	04/25/2013	N001	1798.5 - 2078.4	1.69	U		#	9.03	4.47
Europium-154	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-.96	U		#	8.78	4.79
Europium-155	pCi/L	04/25/2013	N001	1798.5 - 2078.4	1.44	U		#	11.1	6.2
Europium-155	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-.272	U		#	10.5	5.89
Lead-212	pCi/L	04/25/2013	N001	1798.5 - 2078.4	-.499	U		#	6.47	4.56
Lead-212	pCi/L	04/25/2013	N002	1798.5 - 2078.4	1.36	U		#	6.67	4.22
Oxidation Reduction Potential	mV	04/25/2013	N001	1798.5 - 2078.4	-216			#		
pH	s.u.	04/25/2013	N001	1798.5 - 2078.4	8.71			#		
Potassium-40	pCi/L	04/25/2013	N001	1798.5 - 2078.4	15.3	U		#	36.6	26.5
Potassium-40	pCi/L	04/25/2013	N002	1798.5 - 2078.4	21.9	U		#	34.3	21.1
Promethium-144	pCi/L	04/25/2013	N001	1798.5 - 2078.4	1.39	U		#	3.71	1.98
Promethium-144	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-.215	U		#	3.3	1.85
Promethium-146	pCi/L	04/25/2013	N001	1798.5 - 2078.4	-.817	U		#	3.89	2.26
Promethium-146	pCi/L	04/25/2013	N002	1798.5 - 2078.4	0.956	U		#	3.97	2.15
Ruthenium-106	pCi/L	04/25/2013	N001	1798.5 - 2078.4	2.14	U		#	33	18.4
Ruthenium-106	pCi/L	04/25/2013	N002	1798.5 - 2078.4	21.2	U		#	24.3	29.2
Specific Conductance	umhos /cm	04/25/2013	N001	1798.5 - 2078.4	4352			#		
Temperature	C	04/25/2013	N001	1798.5 - 2078.4	25.98			#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: SA5-4-4 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Thorium-234	pCi/L	04/25/2013	N001	1798.5 - 2078.4	10.9	U		#	143	111
Thorium-234	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-22.2	U		#	115	81.4
Tritium	pCi/L	04/25/2013	N001	1798.5 - 2078.4	24.8	U		#	218	114
Tritium	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-10.2	U		#	208	102
Turbidity	NTU	04/25/2013	N001	1798.5 - 2078.4	0.53			#		
Uranium-235	pCi/L	04/25/2013	N001	1798.5 - 2078.4	2.56	U		#	20.6	14.3
Uranium-235	pCi/L	04/25/2013	N002	1798.5 - 2078.4	2.25	U		#	20.8	13.1
Uranium-238	pCi/L	04/25/2013	N001	1798.5 - 2078.4	10.9	U		#	143	111
Uranium-238	pCi/L	04/25/2013	N002	1798.5 - 2078.4	-22.2	U		#	115	81.4
Yttrium-88	pCi/L	04/25/2013	N001	1798.5 - 2078.4	-.668	U		#	6.33	3.49
Yttrium-88	pCi/L	04/25/2013	N002	1798.5 - 2078.4	0.139	U		#	5.42	2.86

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site

REPORT DATE: 02/13/2014

Location: SA5-5-4 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Actinium-228	pCi/L	04/24/2013	N001	1799.5 - 2040.1	8.69	U		#	16.6	14.3
Americium-241	pCi/L	04/24/2013	N001	1799.5 - 2040.1	-1.61	U		#	21.3	13.6
Antimony-125	pCi/L	04/24/2013	N001	1799.5 - 2040.1	4.55	U		#	10.7	6.04
Cerium-144	pCi/L	04/24/2013	N001	1799.5 - 2040.1	0.801	U		#	29.3	17.4
Cesium-134	pCi/L	04/24/2013	N001	1799.5 - 2040.1	1.19	U		#	4.6	2.45
Cesium-137	pCi/L	04/24/2013	N001	1799.5 - 2040.1	0.888	U		#	4.03	2.23
Chlorine-36/35 Mass Ratio	NA	04/24/2013	N002	1799.5 - 2040.1	9.70432E-14			#		2.27676E-14
Cobalt-60	pCi/L	04/24/2013	N001	1799.5 - 2040.1	3.36	U		#	4.07	3.87
Dissolved Oxygen	mg/L	04/24/2013	N001	1799.5 - 2040.1	0.2			#		
Europium-152	pCi/L	04/24/2013	N001	1799.5 - 2040.1	-6.3	U		#	10.7	6.92
Europium-154	pCi/L	04/24/2013	N001	1799.5 - 2040.1	1.49	U		#	10.1	5.22
Europium-155	pCi/L	04/24/2013	N001	1799.5 - 2040.1	5.66	U		#	14.2	8.25
Lead-212	pCi/L	04/24/2013	N001	1799.5 - 2040.1	1.03	U		#	8.37	6.63
Oxidation Reduction Potential	mV	04/24/2013	N001	1799.5 - 2040.1	-113			#		
pH	s.u.	04/24/2013	N001	1799.5 - 2040.1	8.57			#		
Potassium-40	pCi/L	04/24/2013	N001	1799.5 - 2040.1	0.922	U		#	46	24.9
Promethium-144	pCi/L	04/24/2013	N001	1799.5 - 2040.1	1.13	U		#	4.26	2.38
Promethium-146	pCi/L	04/24/2013	N001	1799.5 - 2040.1	-1.28	U		#	4.61	2.72
Ruthenium-106	pCi/L	04/24/2013	N001	1799.5 - 2040.1	5.7	U		#	37.7	22.9
Specific Conductance	umhos /cm	04/24/2013	N001	1799.5 - 2040.1	3576			#		

Groundwater Quality Data by Location (USEE100) FOR SITE SAL01, Salmon Site

REPORT DATE: 02/13/2014

Location: SA5-5-4 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Temperature	C	04/24/2013	N001	1799.5 - 2040.1	24.29			#		
Thorium-234	pCi/L	04/24/2013	N001	1799.5 - 2040.1	171	U		#	174	245
Tritium	pCi/L	04/24/2013	N001	1799.5 - 2040.1	22.9	U		#	201	105
Turbidity	NTU	04/24/2013	N001	1799.5 - 2040.1	1.44			#		
Uranium-235	pCi/L	04/24/2013	N001	1799.5 - 2040.1	-9.21	U		#	24.8	18.6
Uranium-238	pCi/L	04/24/2013	N001	1799.5 - 2040.1	171	U		#	174	245
Yttrium-88	pCi/L	04/24/2013	N001	1799.5 - 2040.1	2.53	U		#	7.11	4.86

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F Low flow sampling method used.	G Possible grout contamination, pH > 9.	J Estimated value.
L Less than 3 bore volumes purged prior to sampling.	Q Qualitative result due to sampling technique.	R Unusable result.
U Parameter analyzed for but was not detected.	X Location is undefined.	

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Surface Water Quality Data

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Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: GC-E SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Arsenic	mg/L	04/24/2013	N001	0.00026			#	0.00003	
Barium	mg/L	04/24/2013	N001	0.03			#	0.00019	
Chromium	mg/L	04/24/2013	N001	0.0007	B	J	#	0.00051	
Dissolved Oxygen	mg/L	04/24/2013	N002	7.2			#		
Lead	mg/L	04/24/2013	N001	0.00019		J	#	0.000014	
Oxidation Reduction Potential	mV	04/24/2013	N002	233			#		
pH	s.u.	04/24/2013	N002	5.74			#		
Specific Conductance	umhos/cm	04/24/2013	N002	23			#		
Temperature	C	04/24/2013	N002	19.08			#		
Tritium	pCi/L	04/24/2013	N002	47.4	U		#	303	173
Turbidity	NTU	04/24/2013	N002	3.28			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HALFMOON CREEK SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Arsenic	mg/L	04/24/2013	N001	0.00031			#	0.00003	
Barium	mg/L	04/24/2013	N001	0.034			#	0.00019	
Chromium	mg/L	04/24/2013	N001	0.0019	B	J	#	0.00051	
Dissolved Oxygen	mg/L	04/24/2013	N002	7.8			#		
Lead	mg/L	04/24/2013	N001	0.00036			#	0.000014	
Oxidation Reduction Potential	mV	04/24/2013	N002	200			#		
pH	s.u.	04/24/2013	N002	6.23			#		
Specific Conductance	umhos/cm	04/24/2013	N002	23			#		
Temperature	C	04/24/2013	N002	18.7			#		
Tritium	pCi/L	04/24/2013	N002	-94.5	U		#	302	161
Turbidity	NTU	04/24/2013	N002	6.3			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HALFMOONCRKOVERFLOW SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,1-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/24/2013	N001	0.44	U		#	0.44	
1,2-Dibromoethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HALFMOONCRKOVERFLOW SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,4-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1-Chlorohexane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Butanone	ug/L	04/24/2013	N001	3	U		#	3	
2-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Hexanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
4-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
4-Methyl-2-Pentanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
Acetone	ug/L	04/24/2013	N001	3	U		#	3	
Arsenic	mg/L	04/24/2013	0001	0.0011			#	0.000074	
Barium	mg/L	04/24/2013	0001	0.058			#	0.00019	
Benzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromochloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromodichloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromoform	ug/L	04/24/2013	N001	0.34	U		#	0.34	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HALFMOONCRKOVERFLOW SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon Disulfide	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon tetrachloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorodibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroform	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chromium	mg/L	04/24/2013	0001	0.0044	B	J	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.86	J		#	0.3	
cis-1,3-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dichlorodifluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dissolved Oxygen	mg/L	04/24/2013	N002	3.67			#		
Ethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Hexachlorobutadiene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Iodomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Isopropylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HALFMOONCRKOVERFLOW SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/24/2013	0001	0.00042		J	#	0.000034	
m,p-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Methylene chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Propylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Naphthalene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
o-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Oxidation Reduction Potential	mV	04/24/2013	N002	73			#		
p-Isopropyltoluene	ug/L	04/24/2013	N001	0.55	J		#	0.3	
pH	s.u.	04/24/2013	N002	5.93			#		
Propane, 2-methoxy-2-methyl-	ug/L	04/24/2013	N001	0.3	U		#	0.3	
sec-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Specific Conductance	umhos/cm	04/24/2013	N002	192			#		
Styrene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Temperature	C	04/24/2013	N002	17.79			#		
tert-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tetrachloroethene	ug/L	04/24/2013	N001	0.18	U		#	0.18	
Toluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HALFMOONCRKOVERFLOW SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
trans-1,3-dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichlorofluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tritium	pCi/L	04/24/2013	N002	121	U		#	306	181
Turbidity	NTU	04/24/2013	N002	11			#		
Vinyl Acetate	ug/L	04/24/2013	N001	0.96	U		#	0.96	
Vinyl chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: HMC-S SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Arsenic	mg/L	04/24/2013	N001	0.00038			#	0.000015	
Barium	mg/L	04/24/2013	N001	0.033			#	0.00019	
Chromium	mg/L	04/24/2013	N001	0.0014	B	J	#	0.00051	
Dissolved Oxygen	mg/L	04/24/2013	N002	7.64			#		
Lead	mg/L	04/24/2013	N001	0.00042			#	0.0000068	
Oxidation Reduction Potential	mV	04/24/2013	N002	159			#		
pH	s.u.	04/24/2013	N002	5.89			#		
Specific Conductance	umhos/cm	04/24/2013	N002	22			#		
Temperature	C	04/24/2013	N002	18.81			#		
Tritium	pCi/L	04/24/2013	N002	136	U		#	309	184
Turbidity	NTU	04/24/2013	N002	5.43			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Half Moon Ck Exit SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Arsenic	mg/L	04/24/2013	N001	0.00029			#	0.000015	
Barium	mg/L	04/24/2013	N001	0.029			#	0.00019	
Chromium	mg/L	04/24/2013	N001	0.0013	B	J	#	0.00051	
Dissolved Oxygen	mg/L	04/24/2013	N002	8.15			#		
Lead	mg/L	04/24/2013	N001	0.00039			#	0.0000068	
Oxidation Reduction Potential	mV	04/24/2013	N002	143			#		
pH	s.u.	04/24/2013	N002	6.72			#		
Specific Conductance	umhos/cm	04/24/2013	N002	22			#		
Temperature	C	04/24/2013	N002	18.85			#		
Tritium	pCi/L	04/24/2013	N002	159	U		#	315	189
Turbidity	NTU	04/24/2013	N002	5.1			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site

REPORT DATE: 02/13/2014

Location: HickHCrTSD-East SURFACE LOCATION Replaced proposed Hick Hollow Ck Entry sample location due to problems with access.

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Arsenic	mg/L	04/24/2013	N001	0.00014			#	0.000015	
Barium	mg/L	04/24/2013	N001	0.025			#	0.00019	
Chromium	mg/L	04/24/2013	N001	0.00059	B	J	#	0.00051	
Dissolved Oxygen	mg/L	04/24/2013	N002	6.04			#		
Lead	mg/L	04/24/2013	N001	0.0002			#	0.0000068	
Oxidation Reduction Potential	mV	04/24/2013	N002	198			#		
pH	s.u.	04/24/2013	N002	5.31			#		
Specific Conductance	umhos/cm	04/24/2013	N002	19			#		
Temperature	C	04/24/2013	N002	17.55			#		
Tritium	pCi/L	04/24/2013	N002	137	U		#	311	185
Turbidity	NTU	04/24/2013	N002	4.99			#		

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Pond West of GZ SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,1-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/24/2013	N001	0.44	U		#	0.44	
1,2-Dibromoethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Pond West of GZ SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,4-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1-Chlorohexane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Butanone	ug/L	04/24/2013	N001	3	U		#	3	
2-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Hexanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
4-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
4-Methyl-2-Pentanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
Acetone	ug/L	04/24/2013	N001	3	U		#	3	
Arsenic	mg/L	04/24/2013	0001	0.0012			#	0.00015	
Barium	mg/L	04/24/2013	0001	0.051			#	0.00019	
Benzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromochloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromodichloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromoform	ug/L	04/24/2013	N001	0.34	U		#	0.34	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Pond West of GZ SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon Disulfide	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon tetrachloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorodibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroform	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chromium	mg/L	04/24/2013	0001	0.0031	B	J	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
cis-1,3-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dichlorodifluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dissolved Oxygen	mg/L	04/24/2013	N002	5.06			#		
Ethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Hexachlorobutadiene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Iodomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Isopropylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Pond West of GZ SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/24/2013	0001	0.0007		J	#	0.000068	
m,p-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Methylene chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Propylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Naphthalene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
o-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Oxidation Reduction Potential	mV	04/24/2013	N002	173			#		
p-Isopropyltoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
pH	s.u.	04/24/2013	N002	5.99			#		
Propane, 2-methoxy-2-methyl-	ug/L	04/24/2013	N001	0.3	U		#	0.3	
sec-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Specific Conductance	umhos/cm	04/24/2013	N002	45			#		
Styrene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Temperature	C	04/24/2013	N002	21.16			#		
tert-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tetrachloroethene	ug/L	04/24/2013	N001	0.18	U		#	0.18	
Toluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Pond West of GZ SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
trans-1,3-dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichlorofluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tritium	pCi/L	04/24/2013	N002	39.9	U		#	297	169
Turbidity	NTU	04/24/2013	N002	19.7			#		
Vinyl Acetate	ug/L	04/24/2013	N001	0.96	U		#	0.96	
Vinyl chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (A) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,1-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/24/2013	N001	0.44	U		#	0.44	
1,2-Dibromoethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (A) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,4-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1-Chlorohexane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Butanone	ug/L	04/24/2013	N001	3	U		#	3	
2-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Hexanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
4-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
4-Methyl-2-Pentanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
Acetone	ug/L	04/24/2013	N001	3	U		#	3	
Arsenic	mg/L	04/24/2013	N001	0.0006			#	0.00003	
Barium	mg/L	04/24/2013	N001	0.031			#	0.00019	
Benzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromochloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromodichloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromoform	ug/L	04/24/2013	N001	0.34	U		#	0.34	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (A) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon Disulfide	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon tetrachloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorodibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroform	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chromium	mg/L	04/24/2013	N001	0.0022	B	J	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
cis-1,3-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dichlorodifluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dissolved Oxygen	mg/L	04/24/2013	N002	5.25			#		
Ethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Hexachlorobutadiene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Iodomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Isopropylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (A) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/24/2013	N001	0.0002		J	#	0.000014	
m,p-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Methylene chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Propylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Naphthalene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
o-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Oxidation Reduction Potential	mV	04/24/2013	N002	18.1			#		
p-Isopropyltoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
pH	s.u.	04/24/2013	N002	6.95			#		
Propane, 2-methoxy-2-methyl-	ug/L	04/24/2013	N001	0.3	U		#	0.3	
sec-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Specific Conductance	umhos/cm	04/24/2013	N002	95			#		
Styrene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Temperature	C	04/24/2013	N002	17.45			#		
tert-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tetrachloroethene	ug/L	04/24/2013	N001	0.18	U		#	0.18	
Toluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (A) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
trans-1,3-dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichlorofluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tritium	pCi/L	04/24/2013	N002	84.3	U		#	314	182
Turbidity	NTU	04/24/2013	N002	6.85			#		
Vinyl Acetate	ug/L	04/24/2013	N001	0.96	U		#	0.96	
Vinyl chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (B) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,1-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/24/2013	N001	0.44	U		#	0.44	
1,2-Dibromoethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (B) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,4-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1-Chlorohexane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Butanone	ug/L	04/24/2013	N001	3	U		#	3	
2-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Hexanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
4-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
4-Methyl-2-Pentanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
Acetone	ug/L	04/24/2013	N001	3	U		#	3	
Arsenic	mg/L	04/24/2013	N001	0.00061			#	0.00003	
Barium	mg/L	04/24/2013	N001	0.028			#	0.00019	
Benzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromochloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromodichloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromoform	ug/L	04/24/2013	N001	0.34	U		#	0.34	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (B) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Bromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon Disulfide	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon tetrachloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorodibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroform	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chromium	mg/L	04/24/2013	N001	0.0019	B	J	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
cis-1,3-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dichlorodifluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dissolved Oxygen	mg/L	04/24/2013	N002	7.93			#		
Ethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Hexachlorobutadiene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Iodomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Isopropylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (B) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Lead	mg/L	04/24/2013	N001	0.00029		J	#	0.000014	
m,p-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Methylene chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Propylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Naphthalene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
o-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Oxidation Reduction Potential	mV	04/24/2013	N002	67			#		
p-Isopropyltoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
pH	s.u.	04/24/2013	N002	6.48			#		
Propane, 2-methoxy-2-methyl-	ug/L	04/24/2013	N001	0.3	U		#	0.3	
sec-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Specific Conductance	umhos/cm	04/24/2013	N002	80			#		
Styrene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Temperature	C	04/24/2013	N002	17.34			#		
tert-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tetrachloroethene	ug/L	04/24/2013	N001	0.18	U		#	0.18	
Toluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (B) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
trans-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
trans-1,3-dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichlorofluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tritium	pCi/L	04/24/2013	N002	42.1	U		#	314	178
Turbidity	NTU	04/24/2013	N002	7.76			#		
Vinyl Acetate	ug/L	04/24/2013	N001	0.96	U		#	0.96	
Vinyl chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (C) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,1-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2,2-Tetrachloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1,2-Trichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,1-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,3-Trichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2,4-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dibromo-3-chloropropane	ug/L	04/24/2013	N001	0.44	U		#	0.44	
1,2-Dibromoethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3,5-Trimethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,3-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (C) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1,4-Dichlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
1-Chlorohexane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2,2-Dichloropropane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Butanone	ug/L	04/24/2013	N001	3	U		#	3	
2-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
2-Hexanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
4-Chlorotoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
4-Methyl-2-Pentanone	ug/L	04/24/2013	N001	3.4	U		#	3.4	
Acetone	ug/L	04/24/2013	N001	3	U		#	3	
Arsenic	mg/L	04/24/2013	0001	0.00055			#	0.00003	
Barium	mg/L	04/24/2013	0001	0.021			#	0.00019	
Benzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromochloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromodichloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Bromoform	ug/L	04/24/2013	N001	0.34	U		#	0.34	
Bromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Carbon Disulfide	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (C) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Carbon tetrachloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorobenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chlorodibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloroform	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chloromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Chromium	mg/L	04/24/2013	0001	0.0025	B	J	#	0.00051	
cis-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
cis-1,3-Dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dibromomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dichlorodifluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Dissolved Oxygen	mg/L	04/24/2013	N002	7.96			#		
Ethylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Hexachlorobutadiene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Iodomethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Isopropylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Lead	mg/L	04/24/2013	0001	0.0002		J	#	0.000014	
m,p-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Methylene chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (C) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
n-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
n-Propylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Naphthalene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
o-Xylene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Oxidation Reduction Potential	mV	04/24/2013	N002	97			#		
p-Isopropyltoluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
pH	s.u.	04/24/2013	N002	6.79			#		
Propane, 2-methoxy-2-methyl-	ug/L	04/24/2013	N001	0.3	U		#	0.3	
sec-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Specific Conductance	umhos/cm	04/24/2013	N002	68			#		
Styrene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Temperature	C	04/24/2013	N002	17.46			#		
tert-Butylbenzene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Tetrachloroethene	ug/L	04/24/2013	N001	0.18	U		#	0.18	
Toluene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
trans-1,2-Dichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
trans-1,3-dichloropropene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichloroethene	ug/L	04/24/2013	N001	0.3	U		#	0.3	
Trichlorofluoromethane	ug/L	04/24/2013	N001	0.3	U		#	0.3	

Surface Water Quality Data by Location (USEE102) FOR SITE SAL01, Salmon Site
REPORT DATE: 02/13/2014
Location: Reeco Pit (C) SURFACE LOCATION

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Tritium	pCi/L	04/24/2013	N002	61.9	U		#	308	176
Turbidity	NTU	04/24/2013	N002	35			#		
Vinyl Acetate	ug/L	04/24/2013	N001	0.96	U		#	0.96	
Vinyl chloride	ug/L	04/24/2013	N001	0.3	U		#	0.3	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Static Water Level Data

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STATIC WATER LEVELS (USEE700) FOR SITE SAL01, Salmon Site

REPORT DATE: 02/13/2014

Location Code	Flow Code	Top of Casing Elevation (Ft)	Measurement Date	Measurement Time	Depth From Top of Casing (Ft)	Water Elevation (Ft)
E-7		260.43	04/22/2013	14:30:32	140.13	120.3
HM-1		243.56	04/24/2013	14:50:57	96.61	146.95
HM-2A		243.54	04/23/2013	16:20:38	115.16	128.38
HM-2B		243.48	04/24/2013	16:15:14	124.03	119.45
HM-3		243.62	04/23/2013	17:15:40	122.84	120.78
HM-L		244.02	04/24/2013	13:45:23	91.32	152.7
HM-L2		253.73	04/22/2013	18:05:30	97.86	155.87
HM-S		244.4	04/23/2013	15:15:33	8.01	236.39
HMH-16R		243.56	04/22/2013	15:20:50	4.8	238.76
HMH-5R		239.45	04/22/2013	14:25:49	4.03	235.42
SA1-1-H		242.3	04/25/2013	08:40:38	5.62	236.68
SA1-11-3		250.06	04/23/2013	15:15:08	131.15	118.91
SA1-12-H		241.43	04/22/2013	16:15:17	6.79	234.64
SA1-2-H		243.08	04/23/2013	16:00:08	7.22	235.86
SA1-3-H		241.97	04/23/2013	10:35:47	5.77	236.2
SA1-4-H		242.17	04/22/2013	17:50:44	5.14	237.03
SA1-5-H		243.53	04/24/2013	12:45:22	6.54	236.99
SA1-6-H		241.97	04/25/2013	09:20:11	4.55	237.42
SA1-7-H		243.08	04/23/2013	13:40:53	5.91	237.17
SA1-8-L		251.44	04/23/2013	14:30:15	94.53	156.91
SA2-1-L		335.69	04/23/2013	13:45:23	178.59	157.1
SA2-2-L		325.73	04/23/2013	11:50:35	168.67	157.06
SA2-4-L		290.6	04/23/2013	10:40:28	133.24	157.36
SA3-11-3		253.44	04/22/2013	16:05:08	135.62	117.82
SA3-4-H		242.3	04/23/2013	11:25:44	4.24	238.06
SA4-5-L		267.96	04/22/2013	16:55:20	112.88	155.08
SA5-4-4		302.93	04/25/2013	10:00:12	169.08	133.85
SA5-5-4		301.04	04/24/2013	09:30:24	165.42	135.62

FLOW CODES: B BACKGROUND C CROSS GRADIENT D DOWN GRADIENT F OFFSITE
N UNKNOWN O ONSITE U UPGRADIENT

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Time-Concentration Graphs

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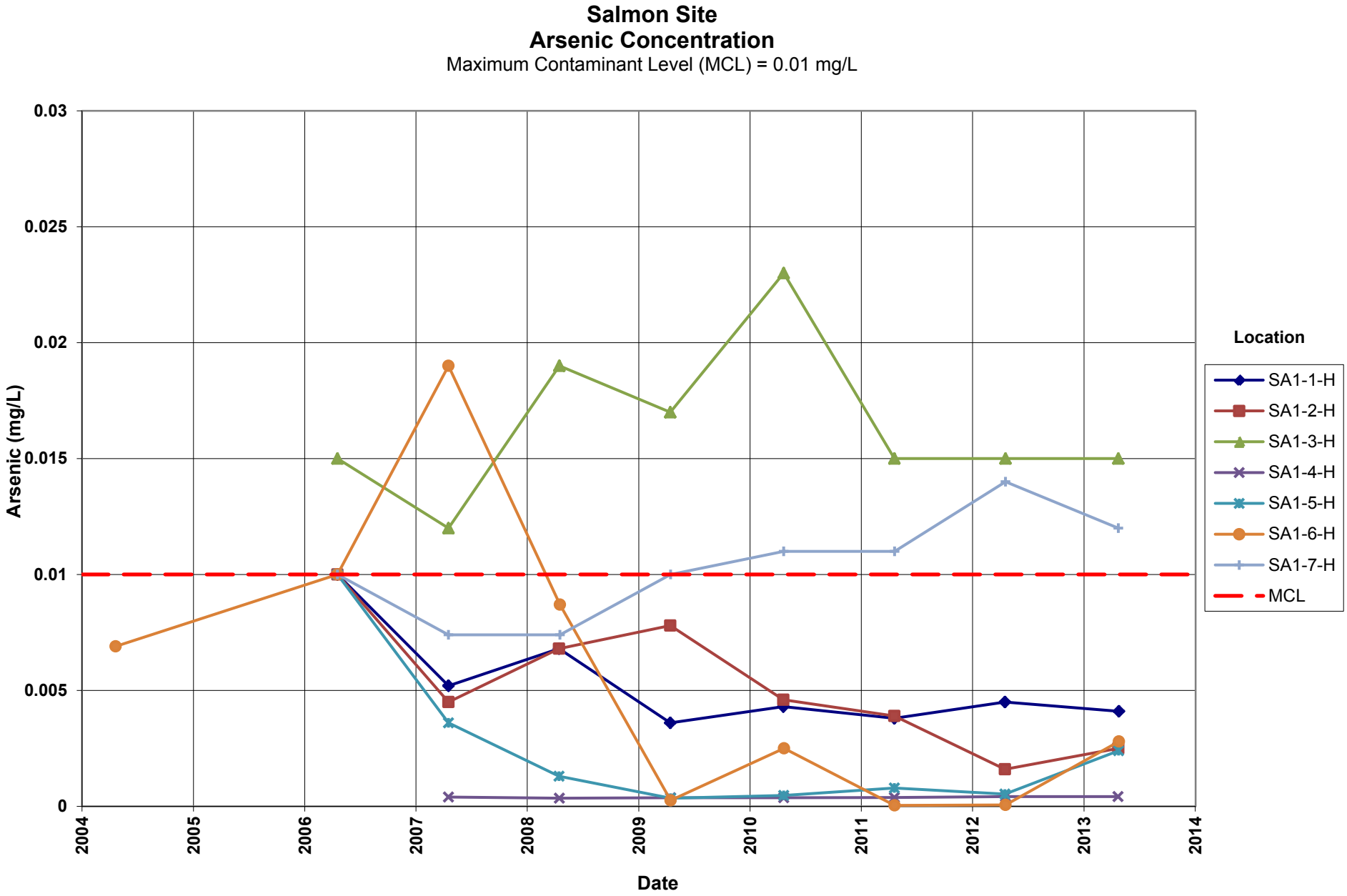
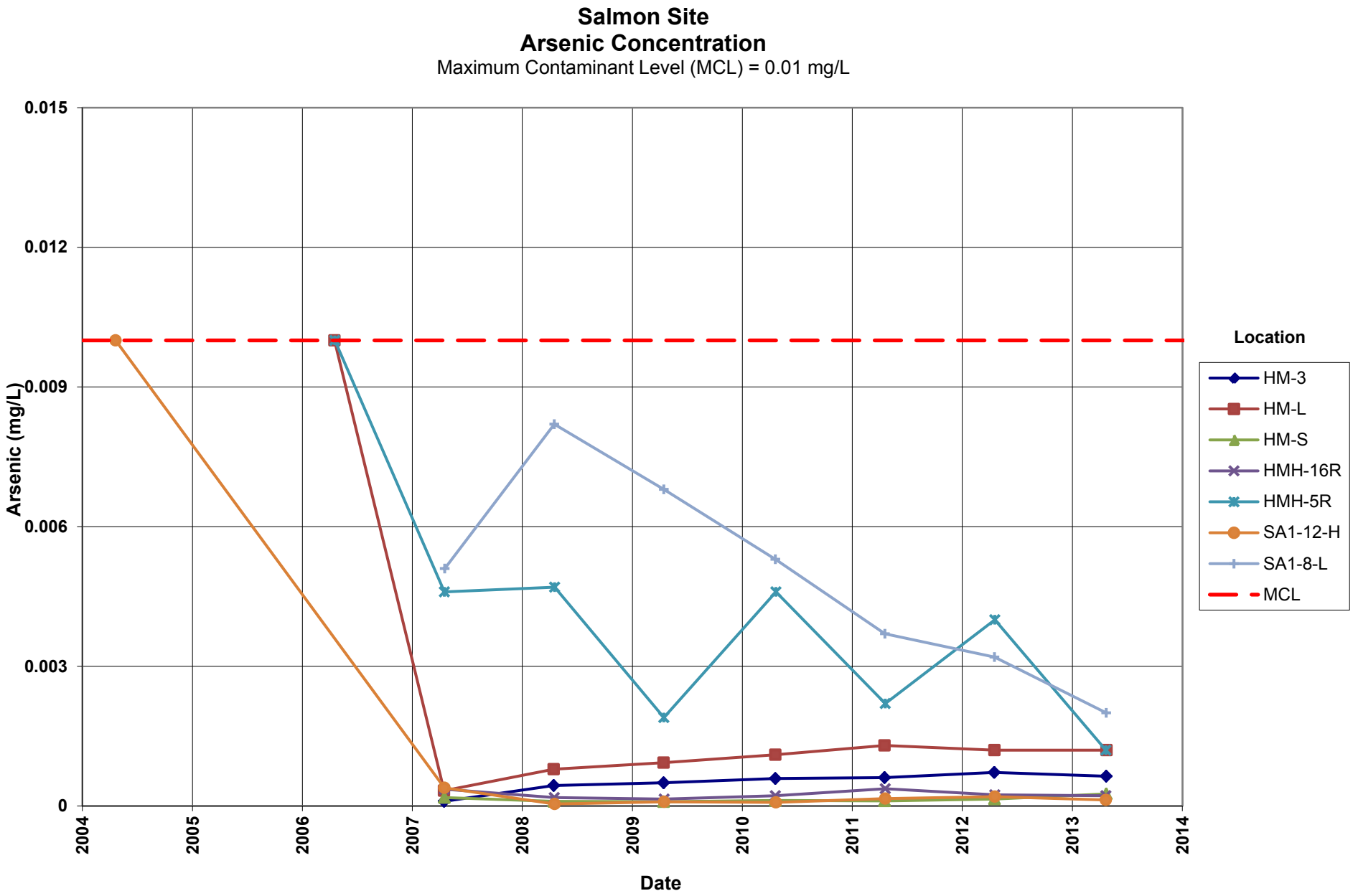
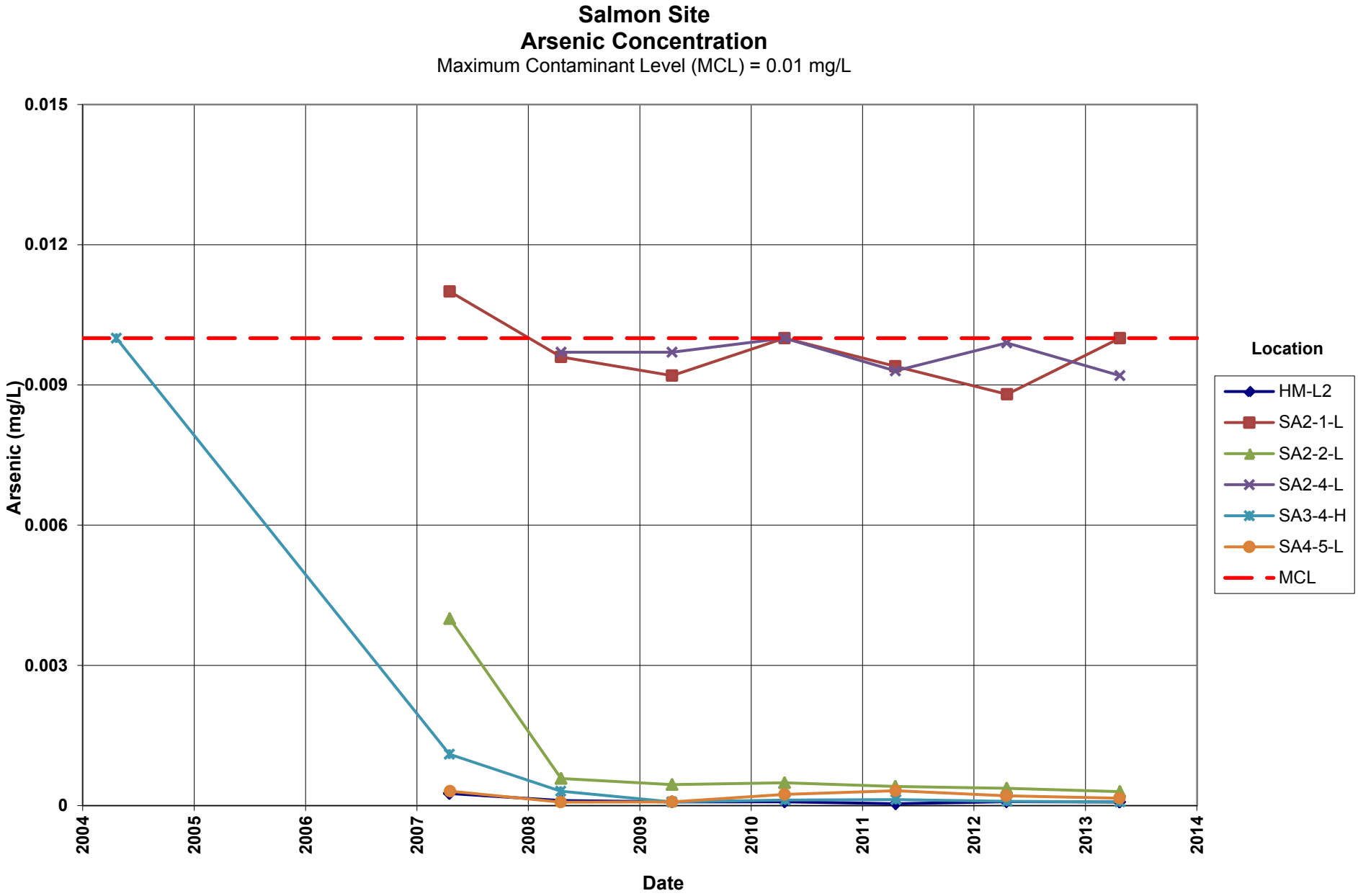
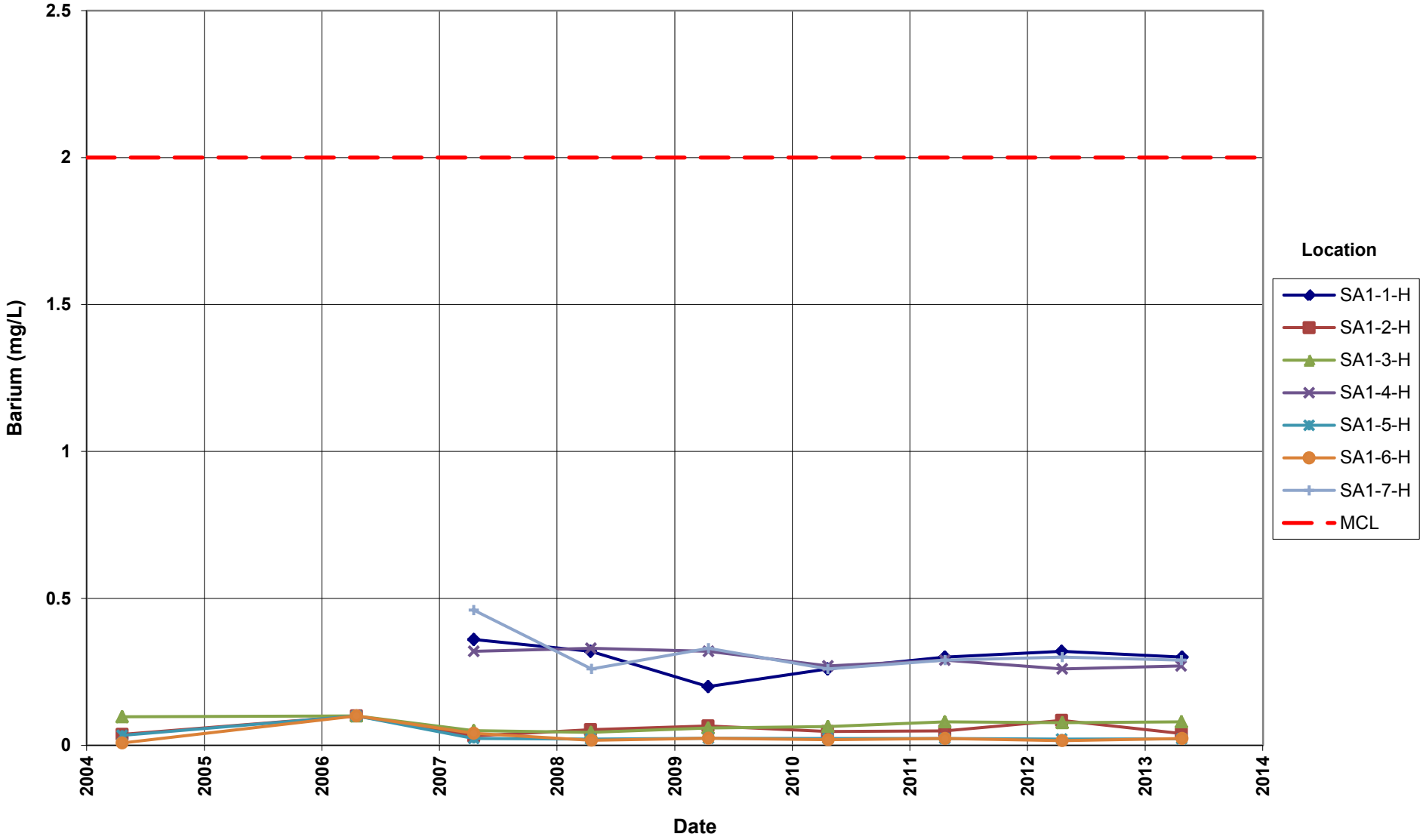
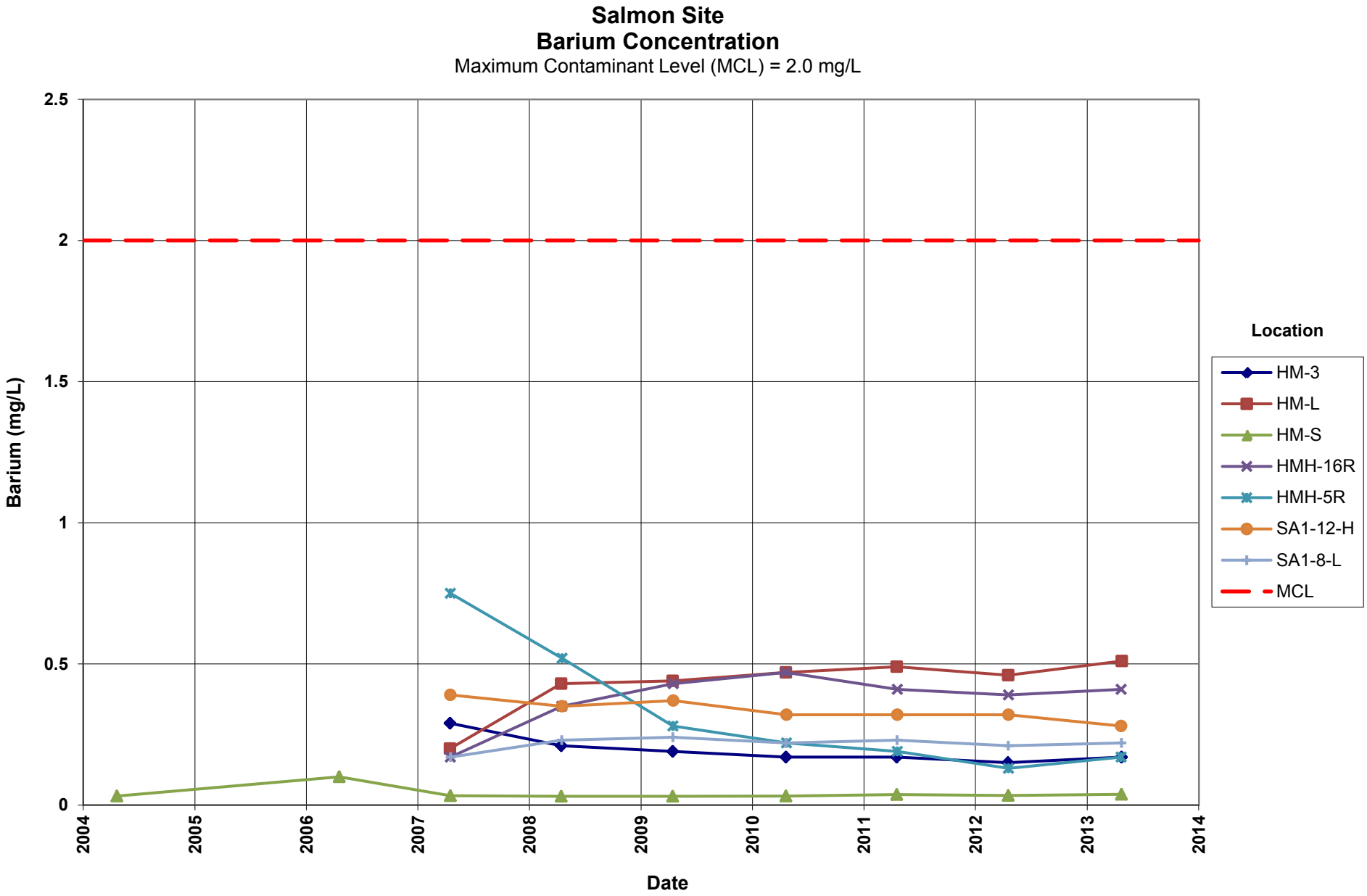

Salmon Site
Arsenic Concentration
Maximum Contaminant Level (MCL) = 0.01 mg/L
Arsenic (mg/L)
0.03
0.025
0.02
0.015
0.01
0.005
0
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
SA1-1-H
SA1-2-H
SA1-3-H
SA1-4-H
SA1-5-H
SA1-6-H
SA1-7-H
MCL

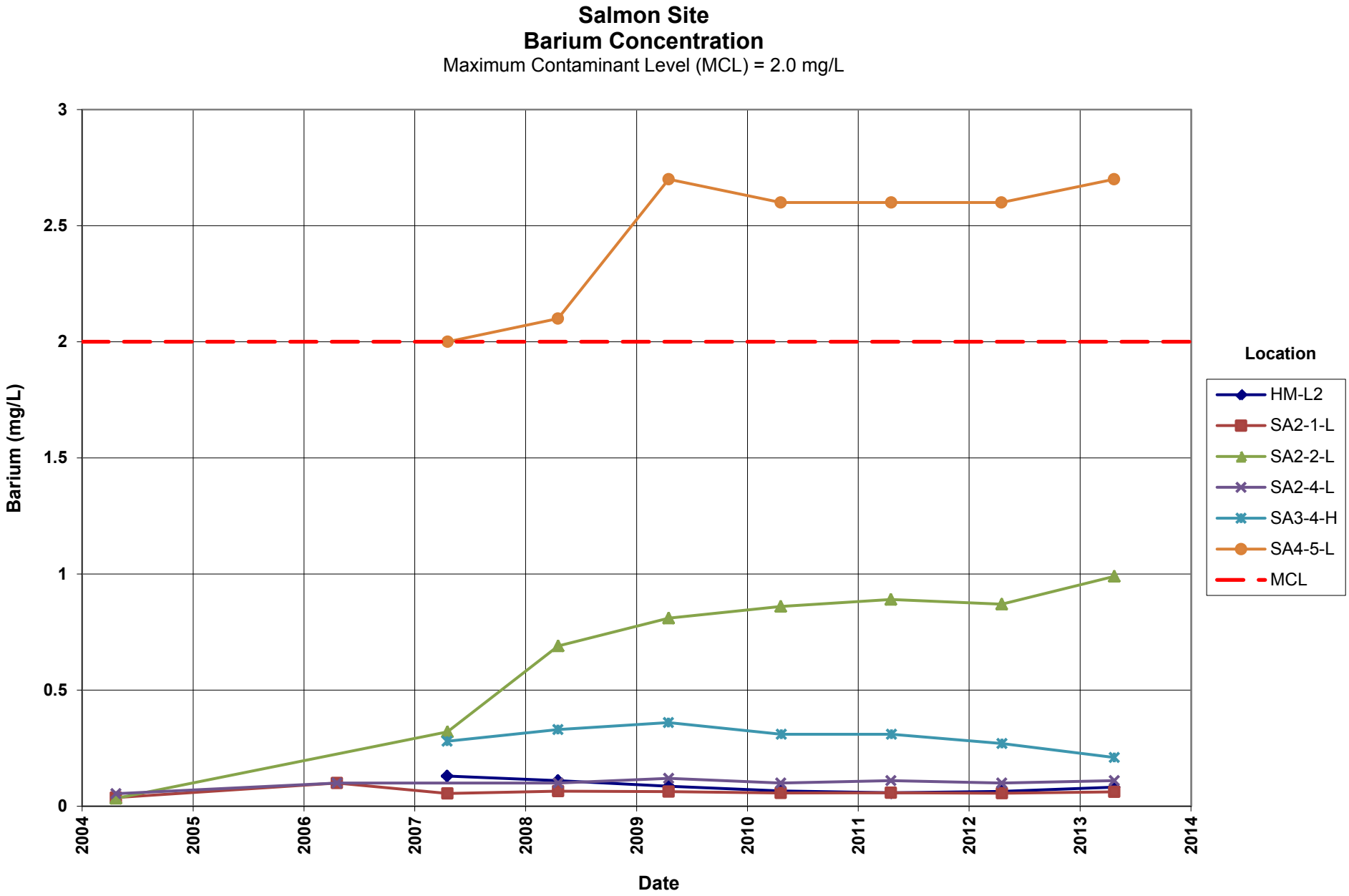

Salmon Site
Arsenic Concentration
Maximum Contaminant Level (MCL) = 0.01 mg/L
Arsenic (mg/L)
0.015
0.012
0.009
0.006
0.003
0
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-3
HM-L
HM-S
HMH-16R
HMH-5R
SA1-12-H
SA1-8-L
MCL


Salmon Site
Arsenic Concentration
Maximum Contaminant Level (MCL) = 0.01 mg/L
Arsenic (mg/L)
0.015
0.012
0.009
0.006
0.003
0
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-L2
SA2-1-L
SA2-2-L
SA2-4-L
SA3-4-H
SA4-5-L
MCL

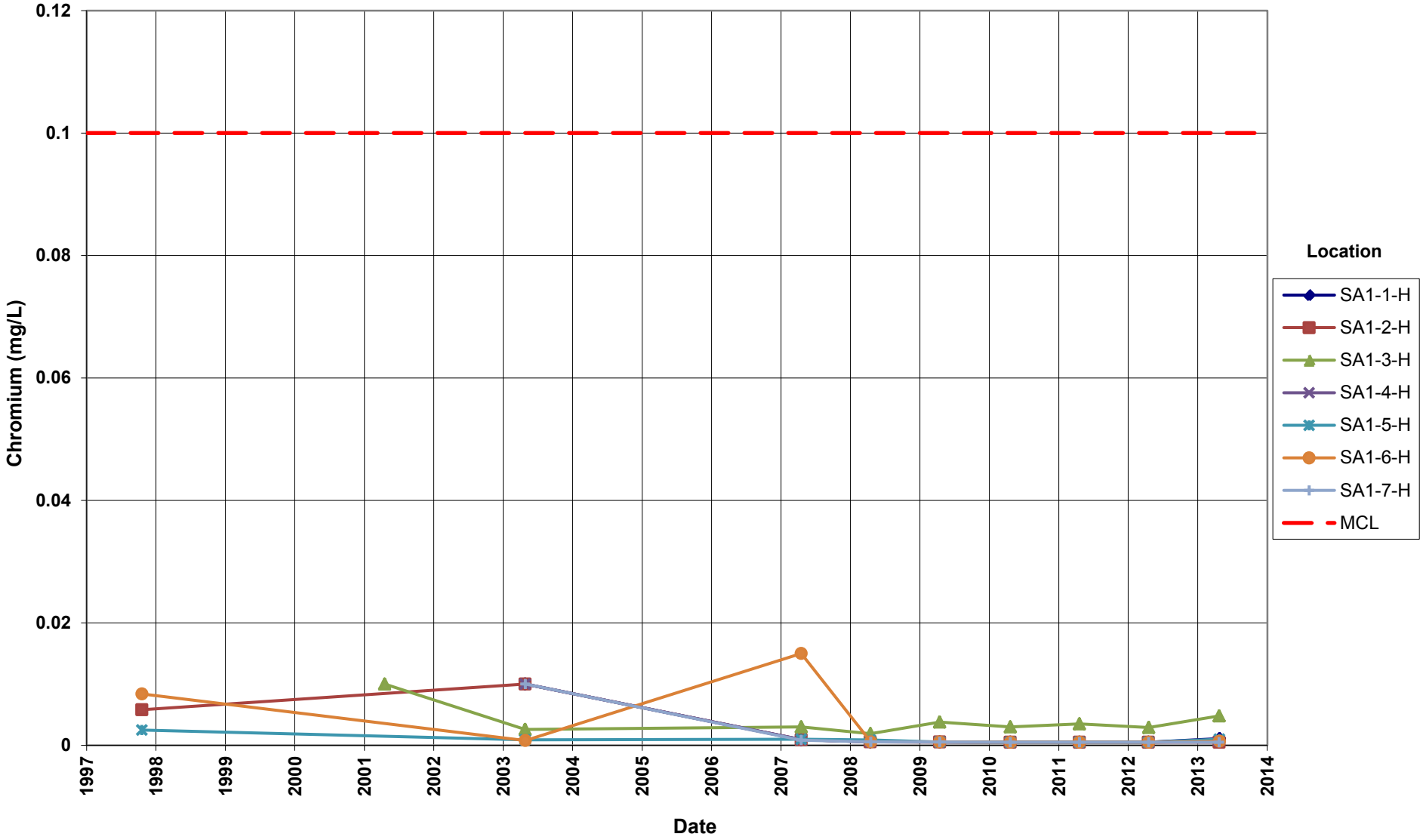
Salmon Site
Barium Concentration
Maximum Contaminant Level (MCL) = 2.0 mg/L

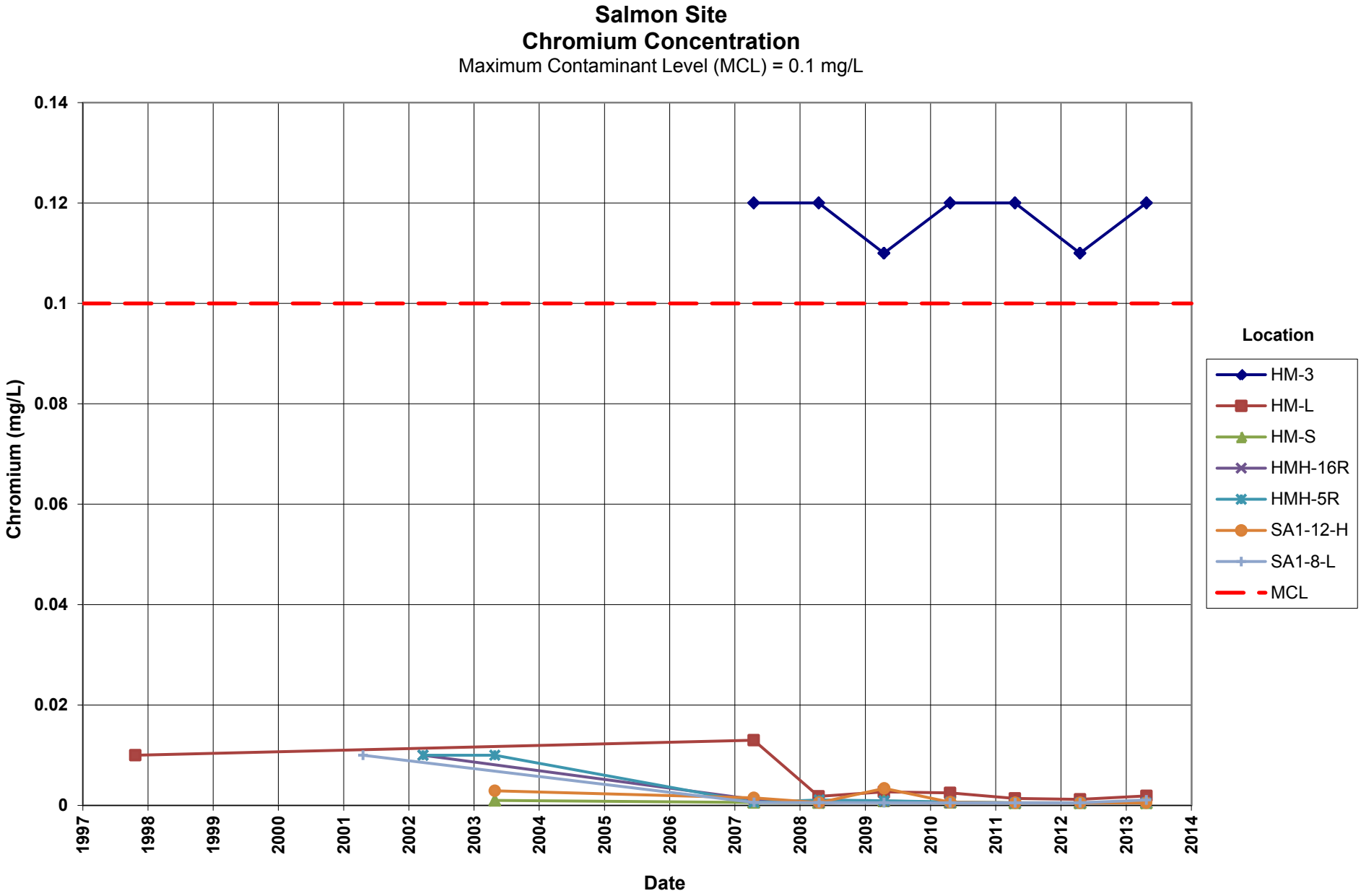



Salmon Site
Barium Concentration
Maximum Contaminant Level (MCL) = 2.0 mg/L
Barium (mg/L)
2.5
2
1.5
1
0.5
0
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-3
HM-L
HM-S
HMH-16R
HMH-5R
SA1-12-H
SA1-8-L
MCL

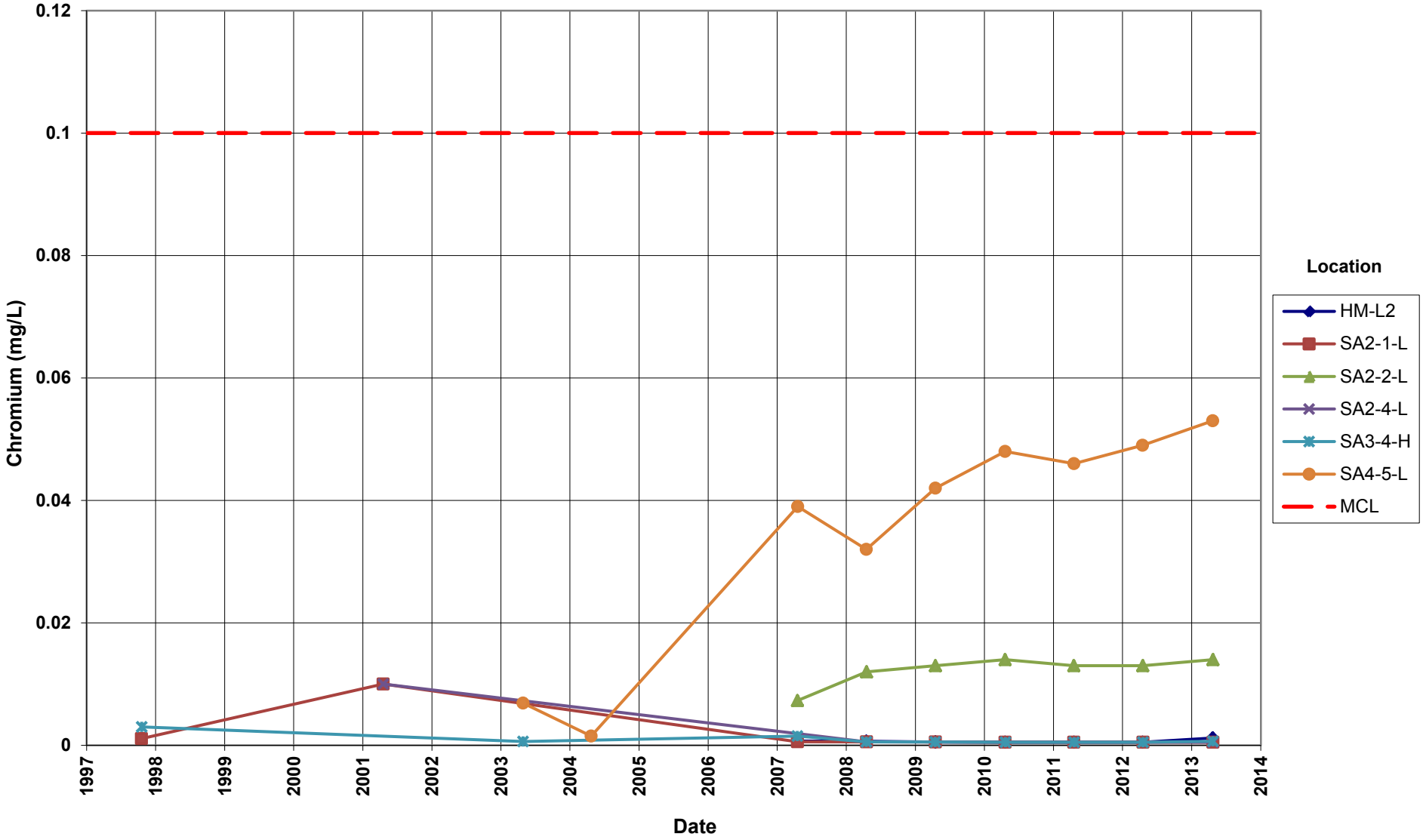

Salmon Site
Barium Concentration
Maximum Contaminant Level (MCL) = 2.0 mg/L
Barium (mg/L)
3
2.5
2
1.5
1
0.5
0
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-L2
SA2-1-L
SA2-2-L
SA2-4-L
SA3-4-H
SA4-5-L
MCL

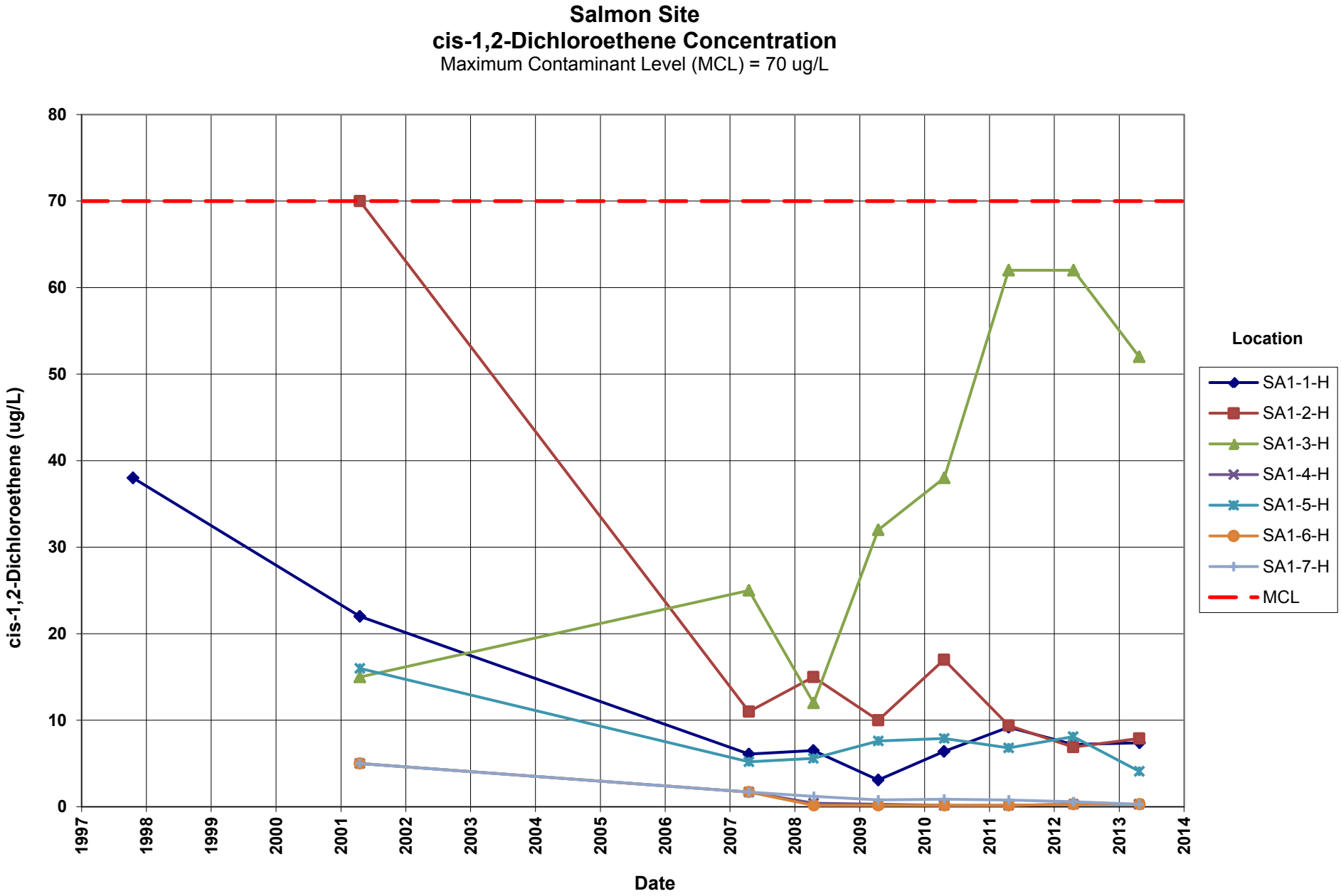
Salmon Site
Chromium Concentration
Maximum Contaminant Level (MCL) = 0.1 mg/L

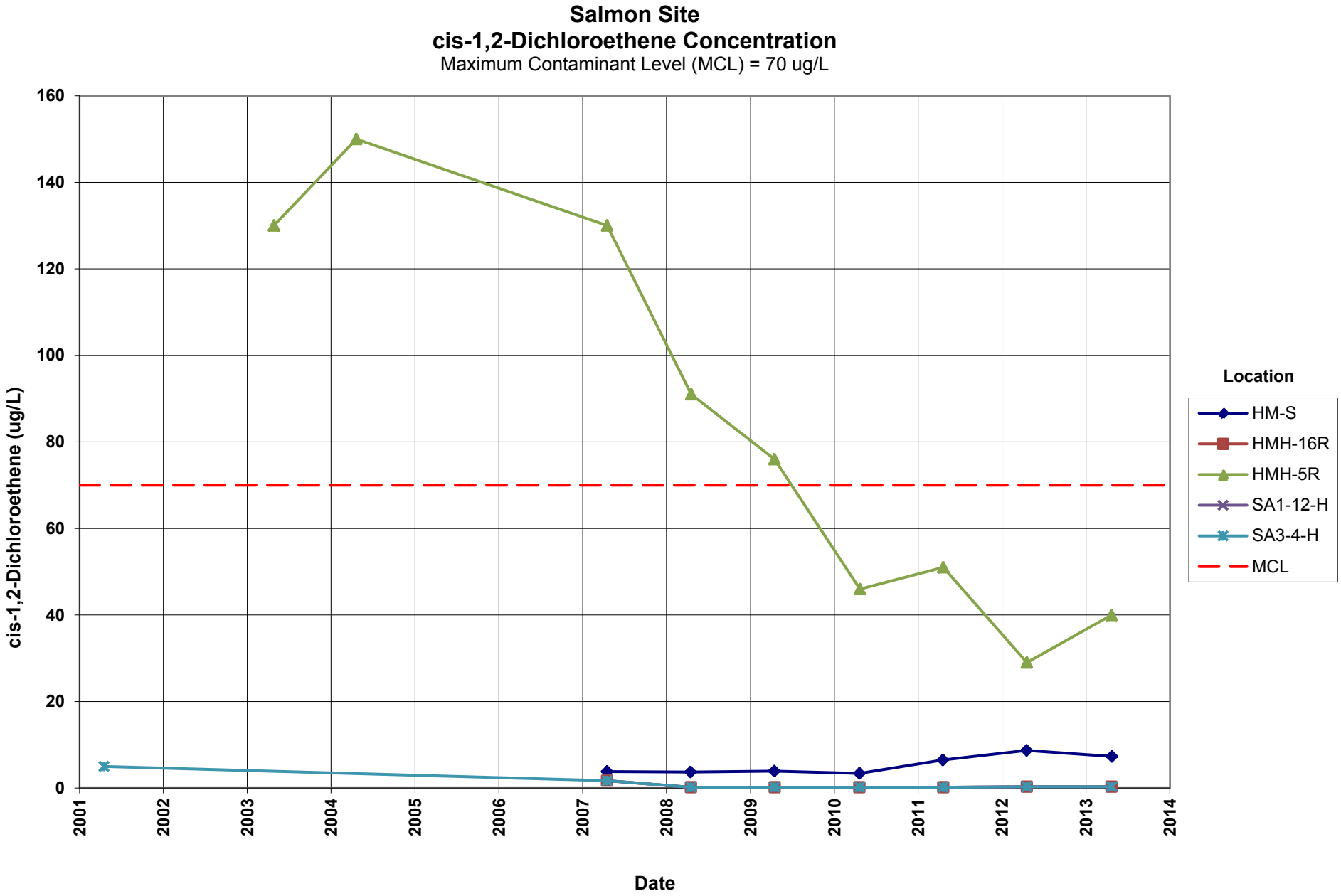


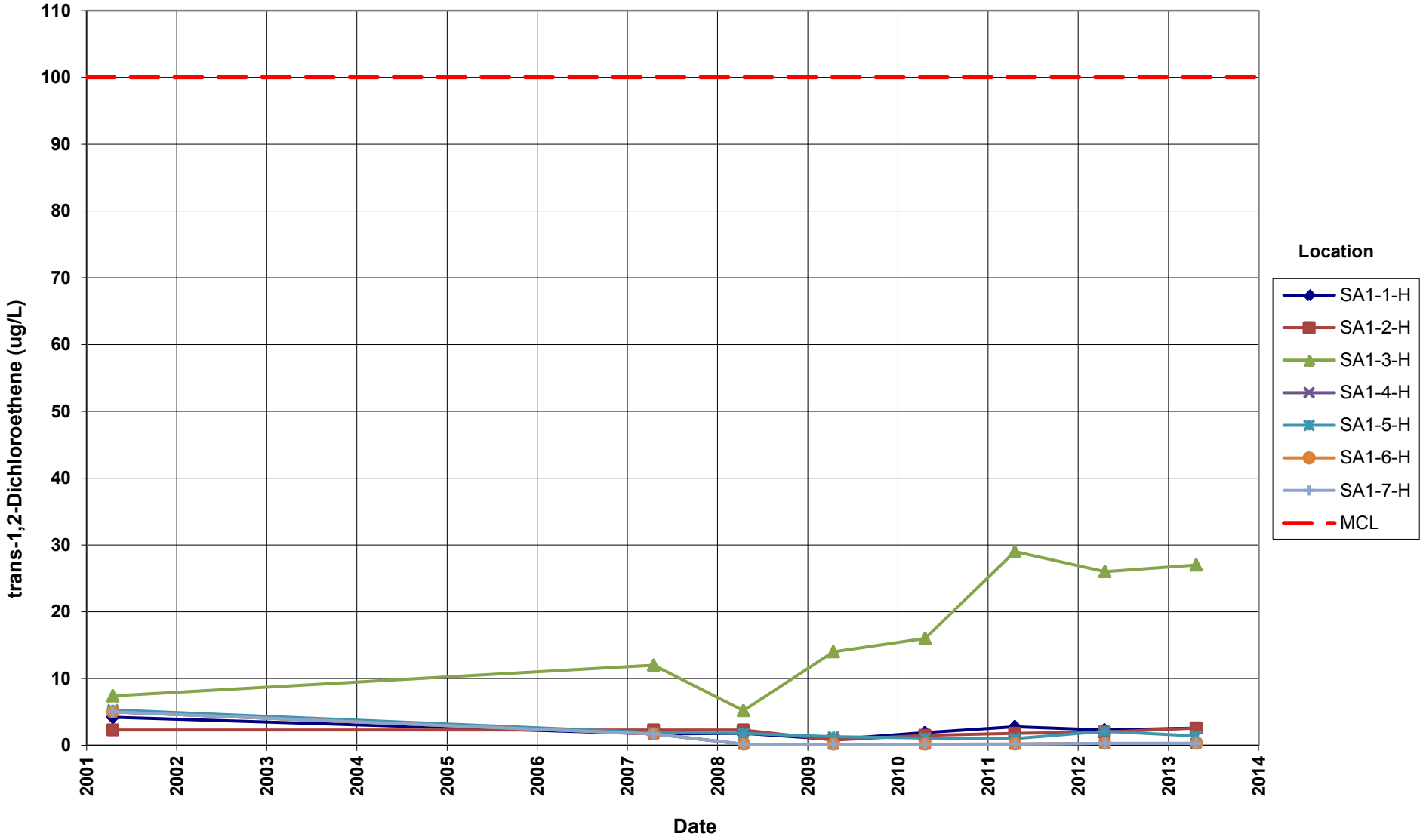

Salmon Site
Chromium Concentration
Maximum Contaminant Level (MCL) = 0.1 mg/L
Chromium (mg/L)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-3
HM-L
HM-S
HMH-16R
HMH-5R
SA1-12-H
SA1-8-L
MCL

Salmon Site
Chromium Concentration
Maximum Contaminant Level (MCL) = 0.1 mg/L

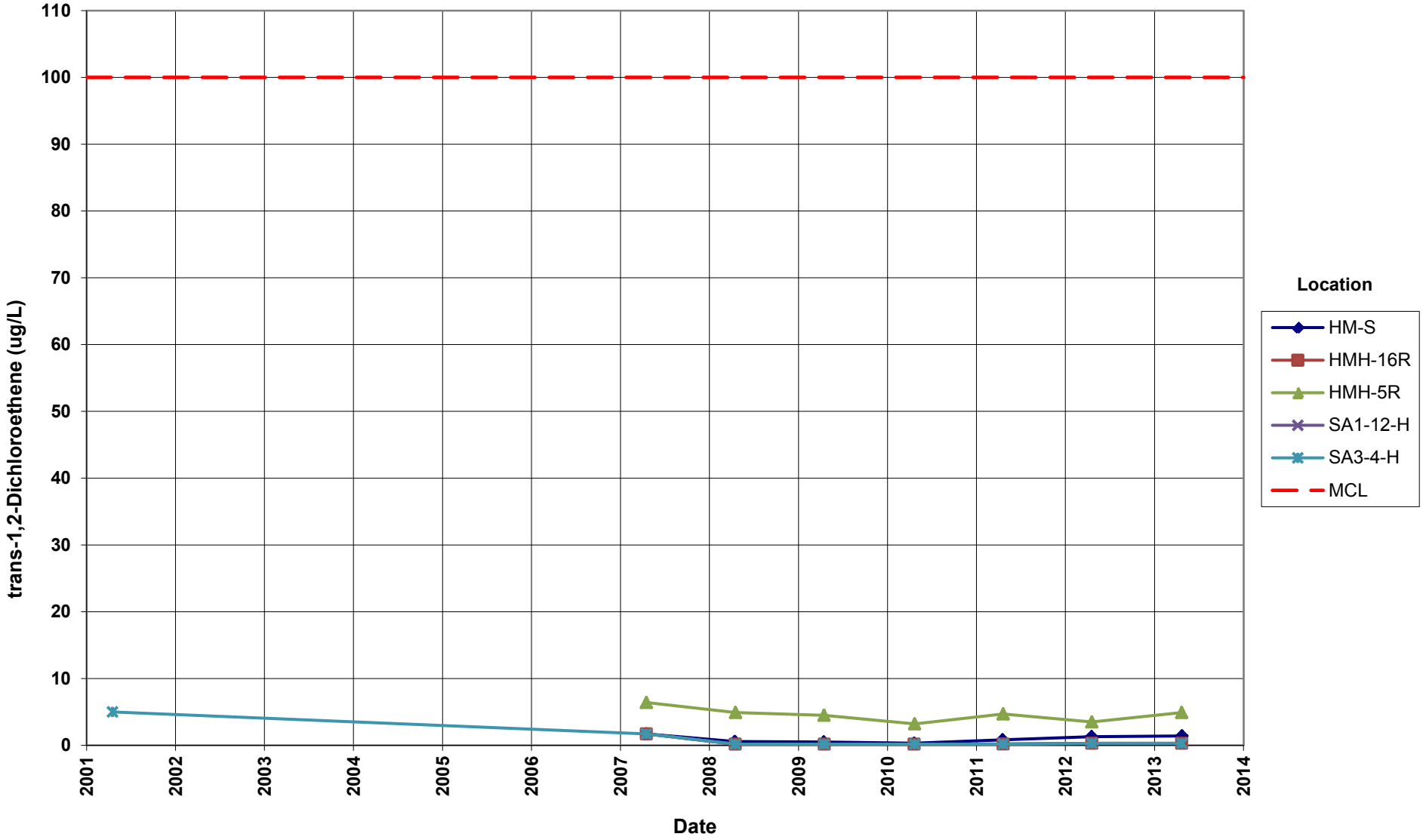


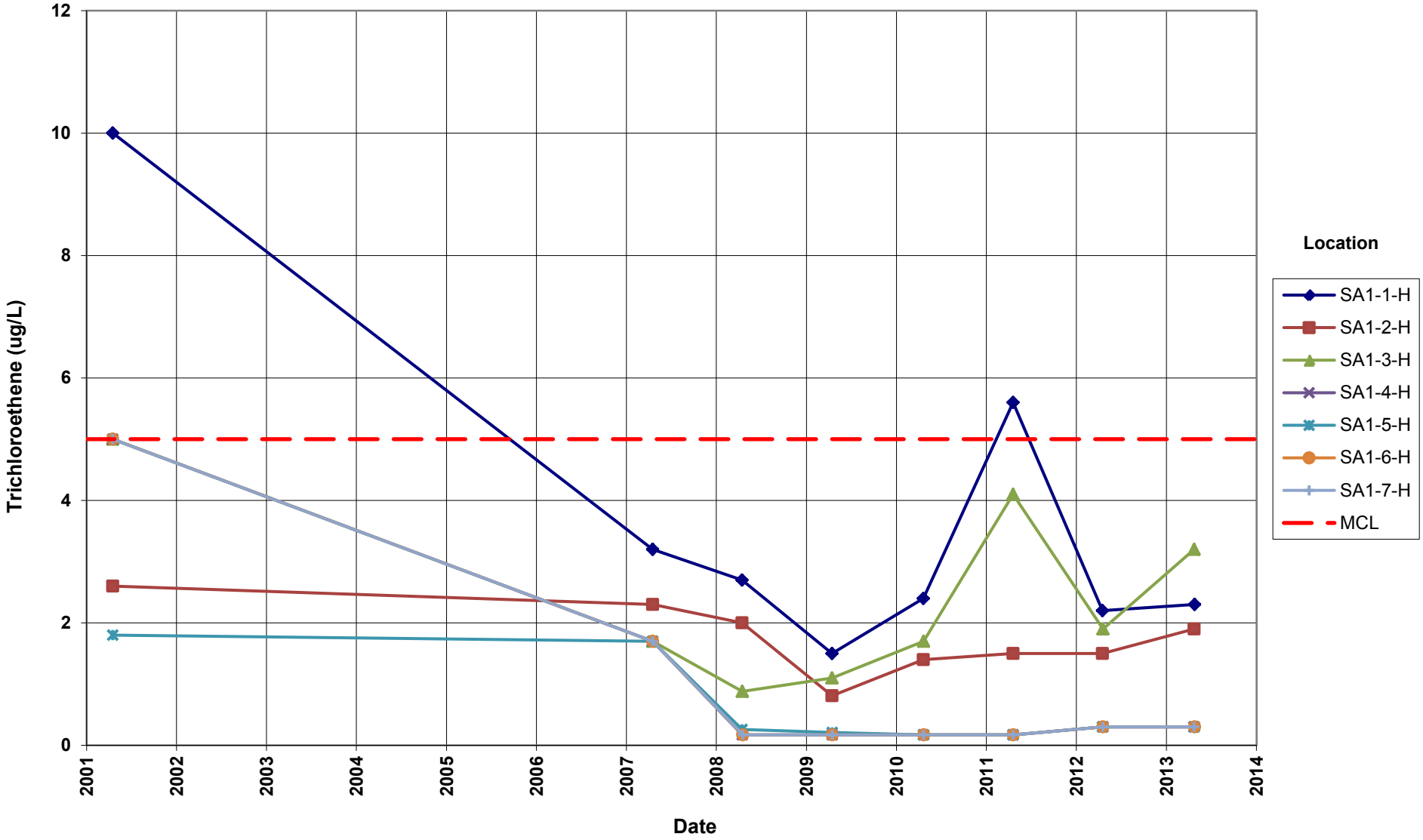

Salmon Site
cis-1,2-Dichloroethene Concentration
Maximum Contaminant Level (MCL) = 70 ug/L
cis-1,2-Dichloroethene (ug/L)
80
70
60
50
40
30
20
10
0
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
SA1-1-H
SA1-2-H
SA1-3-H
SA1-4-H
SA1-5-H
SA1-6-H
SA1-7-H
MCL


Salmon Site
cis-1,2-Dichloroethene Concentration
Maximum Contaminant Level (MCL) = 70 ug/L
cis-1,2-Dichloroethene (ug/L)
160
140
120
100
80
60
40
20
0
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-S
HMH-16R
HMH-5R
SA1-12-H
SA3-4-H
MCL

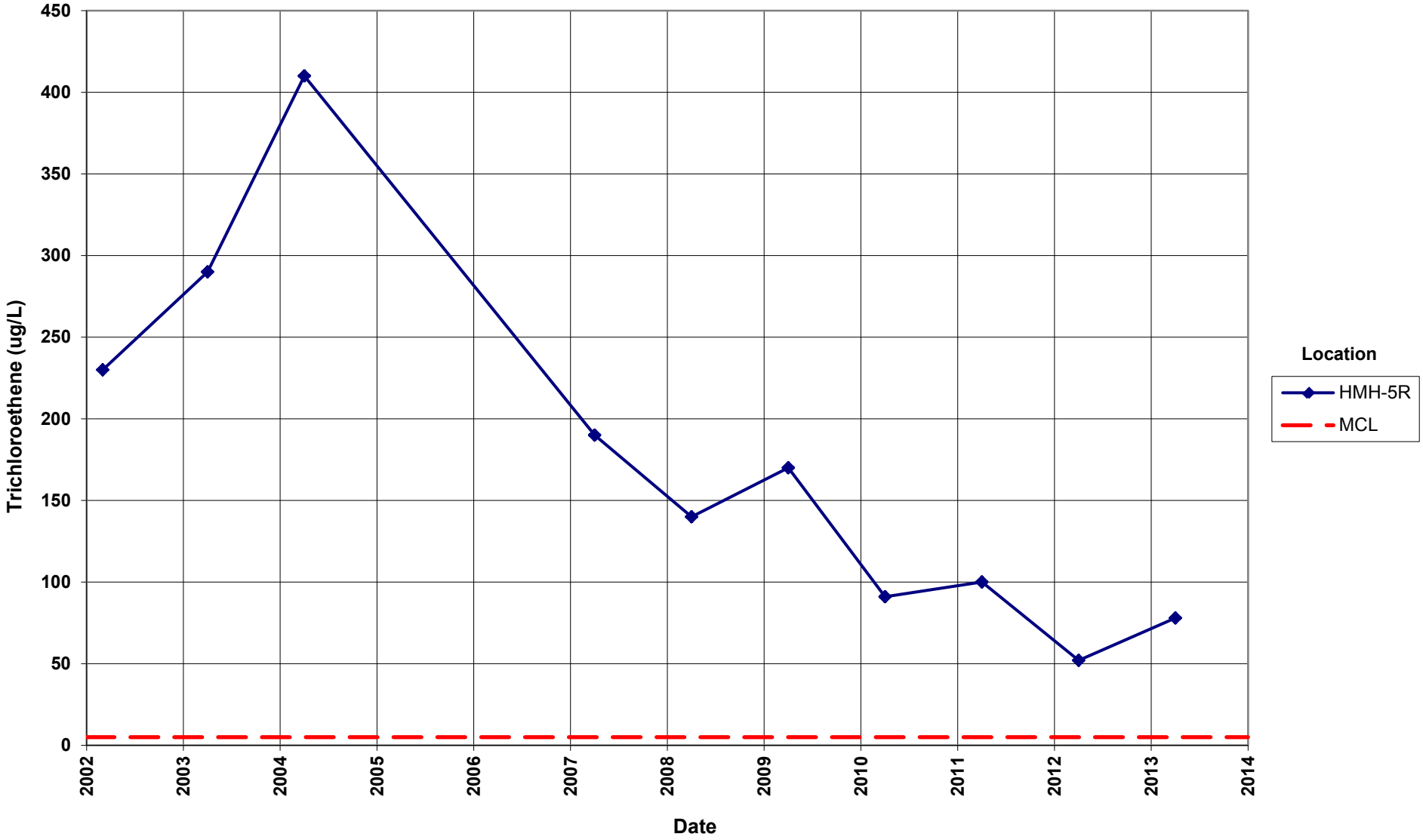

Salmon Site
trans-1,2-Dichloroethene Concentration
Maximum Contaminant Level (MCL) = 100 µg/L
trans-1,2-Dichloroethene (ug/L)
110
100
90
80
70
60
50
40
30
20
10
0
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
SA1-1-H
SA1-2-H
SA1-3-H
SA1-4-H
SA1-5-H
SA1-6-H
SA1-7-H
MCL

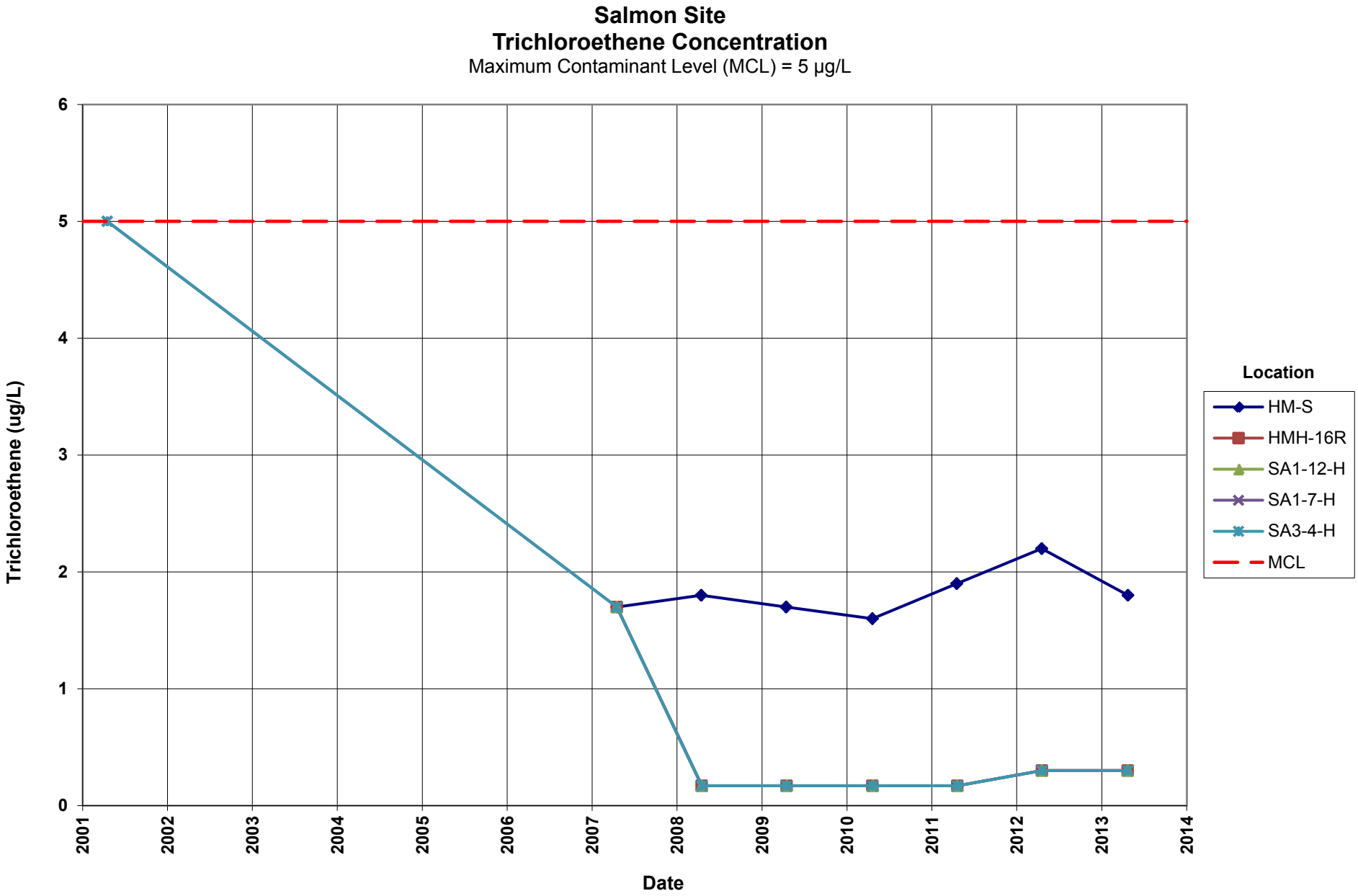
Salmon Site
trans-1,2-Dichloroethene Concentration
Maximum Contaminant Level (MCL) = 100 µg/L



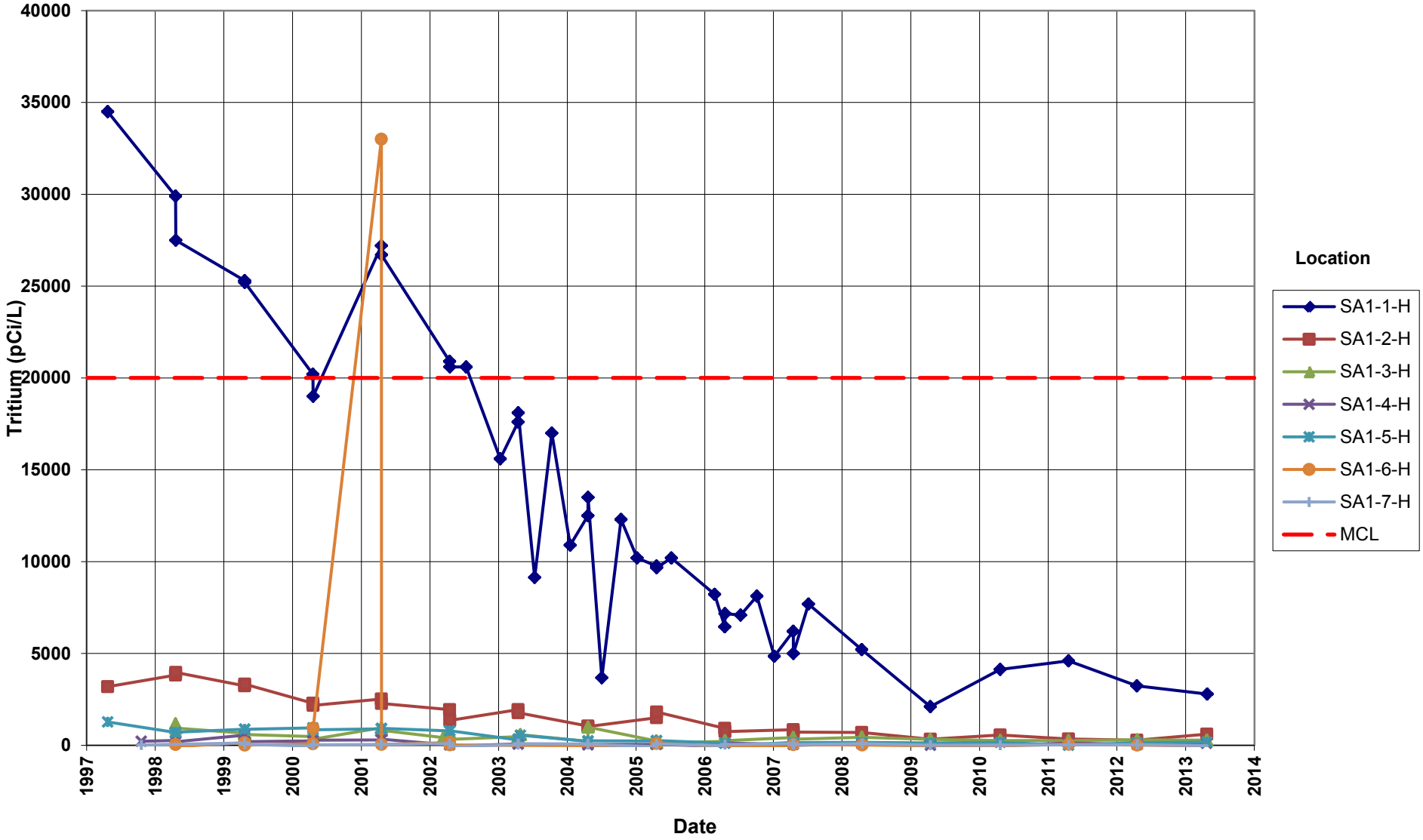

Salmon Site
Trichloroethene Concentration
Maximum Contaminant Level (MCL) = 5 µg/L
Trichloroethene (ug/L)
0
2
4
6
8
10
12
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
SA1-1-H
SA1-2-H
SA1-3-H
SA1-4-H
SA1-5-H
SA1-6-H
SA1-7-H
MCL

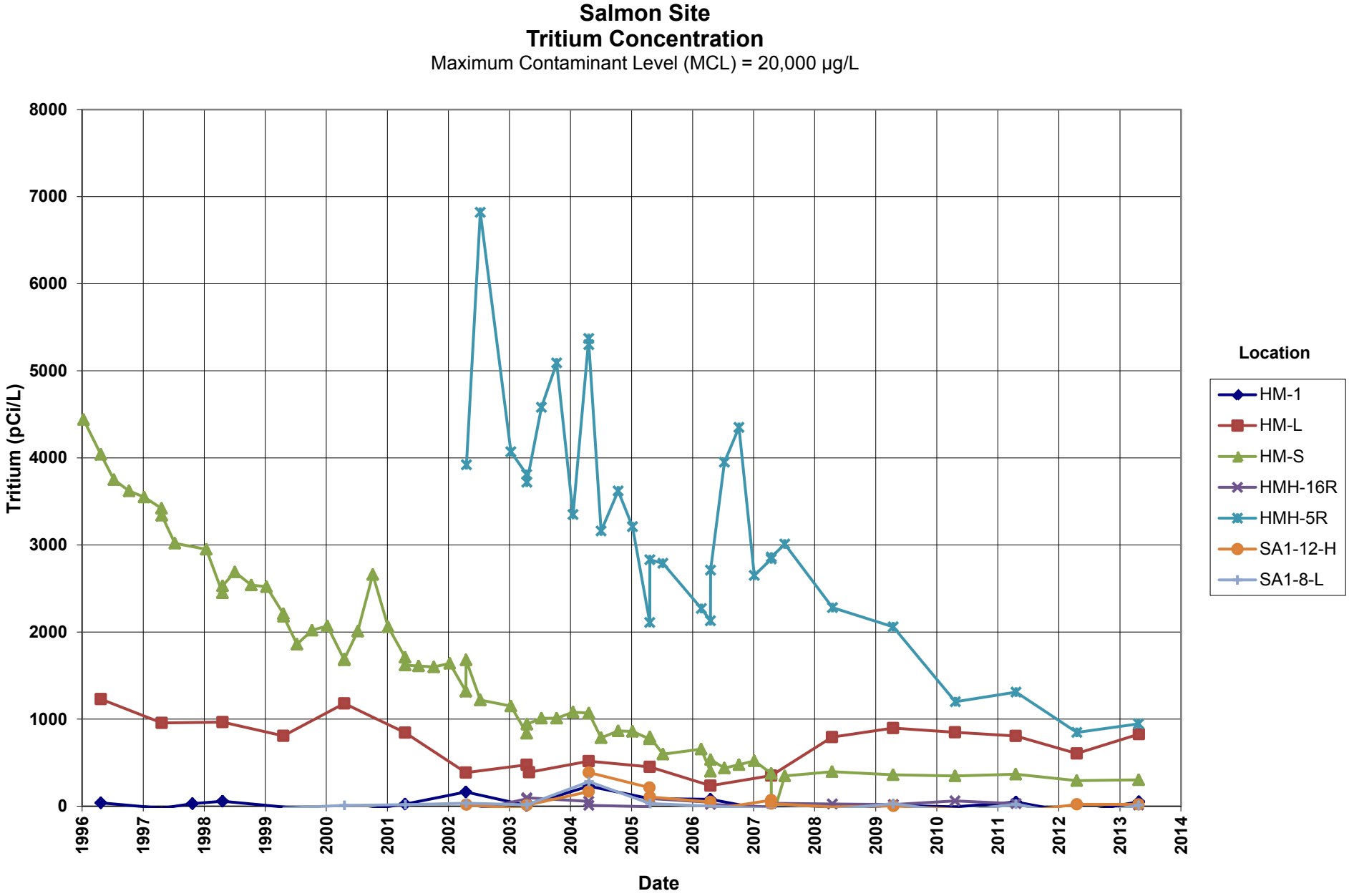
Salmon Site
Trichloroethene Concentration
Maximum Contaminant Level (MCL) = 5 µg/L



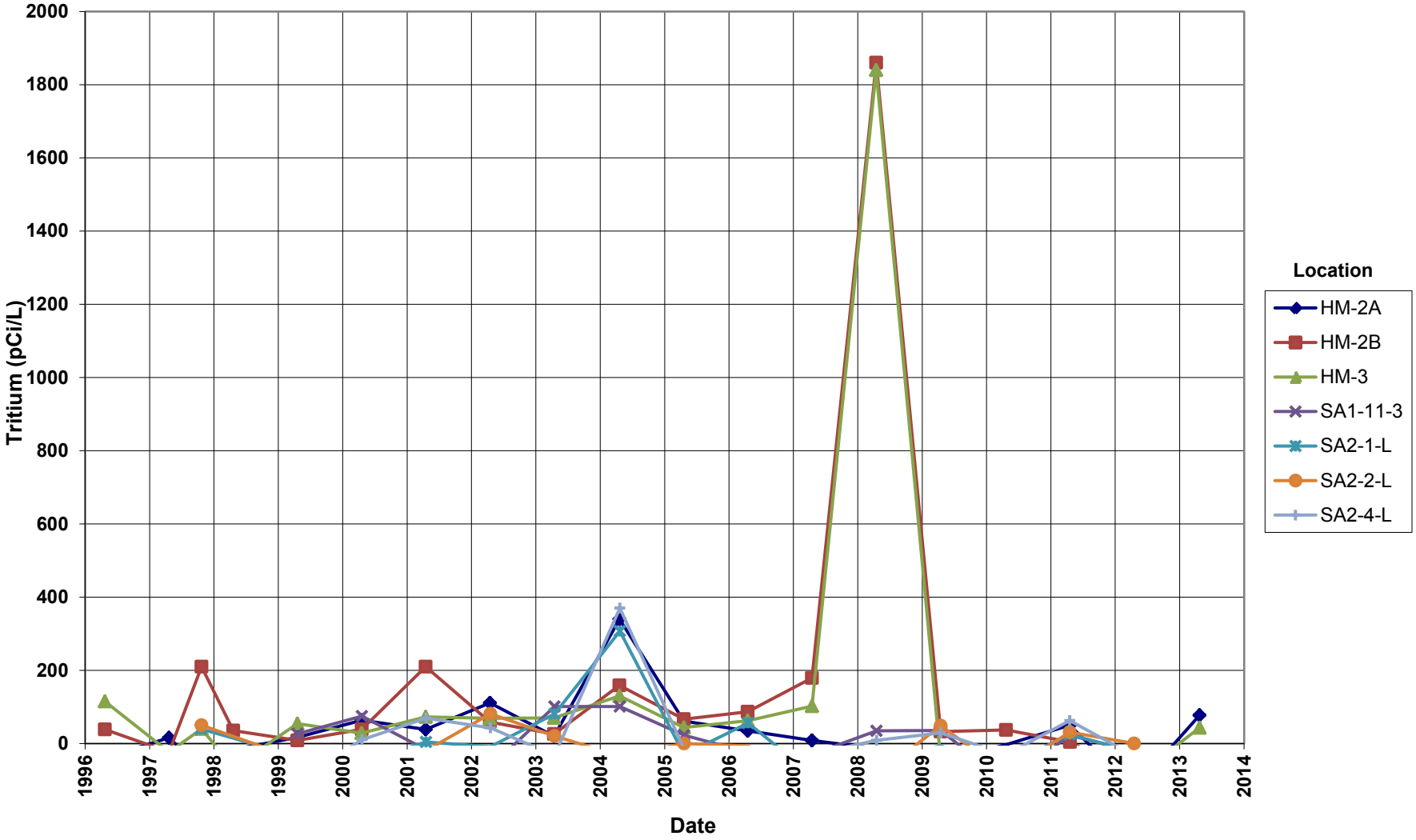

Salmon Site
Trichloroethene Concentration
Maximum Contaminant Level (MCL) = 5 µg/L
Trichloroethene (ug/L)
0
1
2
3
4
5
6
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-S
HMH-16R
SA1-12-H
SA1-7-H
SA3-4-H
MCL

Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 µg/L

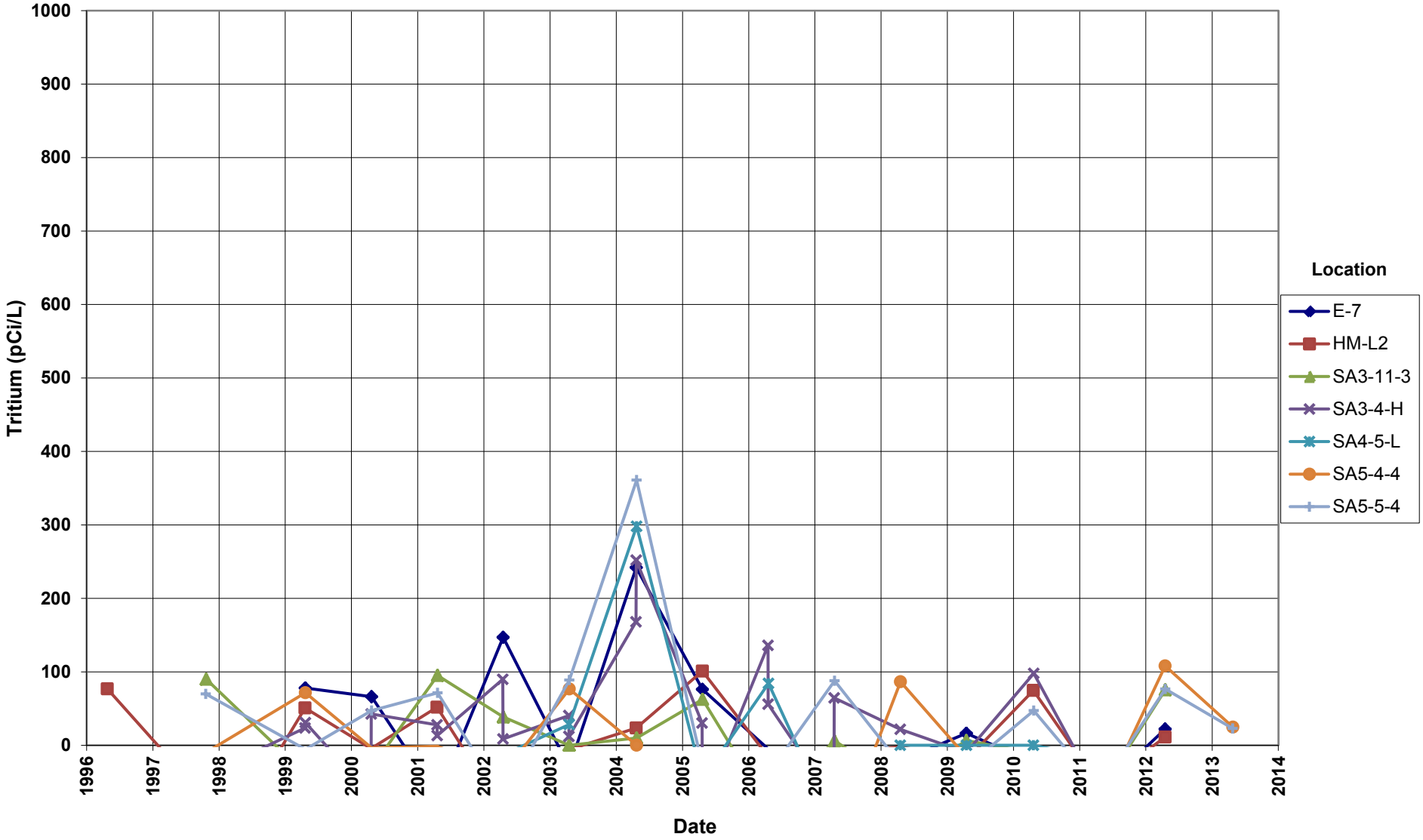



Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 µg/L
Tritium (pCi/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Date
Location
HM-1
HM-L
HM-S
HMH-16R
HMH-5R
SA1-12-H
SA1-8-L

Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 µg/L



Salmon Site
Tritium Concentration
Maximum Contaminant Level (MCL) = 20,000 µg/L



Attachment 3
Sampling and Analysis Work Order

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Task Order LM00-502
Control Number 13-0446

March 22, 2013

U. S. Department of Energy
Office of Legacy Management
ATTN: Mr. Art Kleinrath
Site Lead
2597 Legacy Way
Grand Junction, CO 81503

SUBJECT: Contract No. DE-AM01-07LM00060, S. M. Stoller Corporation (Stoller)
Task Order LM00-502 – Other Defense Activities – Other Sites
April 2013 Environmental Sampling at Salmon, Mississippi

REFERENCE: LM-502-07-620, Salmon, Mississippi

Dear Mr. Kleinrath:

The purpose of this letter is to inform you of the upcoming sampling event at Salmon, Mississippi. Enclosed are the map and tables specifying sample locations and analytes for monitoring at the Salmon site. Water quality data will be collected at this site as part of the routine environmental sampling scheduled to begin the week of April 22, 2013.

The following lists show the locations scheduled for sampling during this event.

Monitoring Wells

SA1-1-H	SA1-5-H	HMH-5R	HM-L	HM-3	SA2-4-L	HM-L2
SA1-2-H	SA1-6-H	HMH-16R	HM-1	SA1-11-3	SA3-4-H	SA4-5-L
SA1-3-H	SA1-7-H	HM-S	HM-2A	SA2-1-L	E-7	SA5-4-4
SA1-4-H	SA1-12-H	SA1-8-L	HM-2B	SA2-2-L	SA3-11-3	SA5-5-4

Surface Water

Halfmoon Creek	Pond west of GZ	REECo Pit (B)	Hick Hollow Ck Entry
HalfmoonCrkOverflow	REECo Pit (A)	REECo Pit (C)	HickHCrTSD-East
Half Moon Ck Entry	Half Moon Ck Exit	Grantham Ck Entry	

All samples will be collected as directed in the *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites*. Notification for access to locations on private property will be conducted prior to the beginning of fieldwork.

Please call me at (970) 248-6690 if you have any questions.

Sincerely,

Cassandra Gauthier
2013.03.21 16:49:48
-06'00'

Cassandra Gauthier
Site Lead

CG/lcg/dc

Enclosures (3)

cc: (electronic)
Steve Donivan, Stoller
Bev Gallagher, Stoller
Lauren Goodknight, Stoller
Rick Hutton, Stoller
rc-grand.junction
File: SAL 410.02(A)

April 2013 Water-Sample Plan
Salmon, MS, Site

	Subsurface Source Area		Sample Analytes					Water
	Well Name	TD (ft)	VOC	Metals[a]	Tritium[b]	Gamma Spec	Chlorine 36	Level
	Source Area 1							
1	SA1-1-H	30.0	X	X	X			WL
2	SA1-2-H	30.0	X	X	X			WL
3	SA1-3-H	30.0	X	X	X			WL
4	SA1-4-H	30.0	X	X	X			WL
5	SA1-5-H	30.0	X	X	X			WL
6	SA 1-6-H	23.0	X	X	X			WL
7	SA1-7-H	30.0	X	X	X			WL
8	SA1-12-H	30.0	X	X	X			WL
9	HMH-5R	30.0	X	X	X			WL
10	HMH-16R	30.0	X	X	X			WL
11	HM-S	30.0	X	X	X		X	WL
12	SA1-8-L	195.0	X	X	X			WL
13	HM-L	204.0	X	X	X	X	X	WL
14	HM-1	415.0			X	X	X	WL
15	HM-2A	537.0			X	X	X	WL
16	HM-2B	700.0			X	X	X	WL
17	HM-3	875.0		X	X	X	X	WL
18	SA1-11-3	923.5		X	X			WL
	Source Area 2							
19	SA2-1-L	348.5	X	X	X			WL
20	SA2-2-L	340.0	X	X	X			WL
21	SA2-4-L	250.4	X	X	X	X		WL
	Source Area 3							
22	SA3-4-H	30.0	X	X	X			WL
23	E-7	934.0			X	X	X	WL
24	SA3-11-3	860.7		X	X			WL
	Source Area 4							
25	HM-L2	200.0	X	X	X			WL
26	SA4-5-L	180.0	X	X	X			WL
	Source Area 5							
27	SA5-4-4	2098.8			X	X	X	WL
28	SA5-5-4	2080.5			X	X	X	WL
	Surface Location Name							
1	HALFMOON CREEK	NA	X	X	X			
2	HALFMOONCRKOVERFLOW	NA	X	X	X			
3	Pond west of GZ	NA	X	X	X			
4	REECo Pit (A)	NA	X	X	X			
5	REECo Pit (B)	NA	X	X	X			
6	REECo Pit (C)	NA	X	X	X			
7	Grantham Ck Entry	NA		X	X			
8	Half Moon Ck Entry	NA		X	X			
9	Hick Hollow Ck Entry	NA		X	X			
10	Half Moon Ck Exit	NA		X	X			
11	HickHCr.tsd_East	NA		X	X			

Notes

[a] Metals As, Ba, Cr, Pb

[b] Analyze 25% of the tritium samples by the enriched tritium method

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Attachment 4
Trip Report

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Stoller

established 1959

DATE: May 14, 2013

TO: Rick Hutton

FROM: Gretchen Baer

SUBJECT: Trip Report

Site: Salmon, Mississippi, Site

Dates of Sampling Event: April 22-25, 2013

Team Members:

	Primary Duties
Gretchen Baer	Water Sampling
Sam Campbell	Water Sampling, Management Assessment
Cassie Gauthier	Site Lead, Management Assessment, Water Sampling
Rex Hodges	Transducers, Rain Gauge
Chris Papinsick	Water Sampling
Jose Treviño	Water Sampling, Well Development
Tim Zirbes	Water Sampling

Karl Barber and Sandra Stringfellow, Mississippi Department of Health, Radiologic Health Division, were also onsite to collect co-samples. A copy of the JSA signature page for R. Hodges and C. Gauthier is available in Crow\sms\13045260.

Number of Locations Sampled: Samples were collected from 38 locations as follows:

	Locations That Were Sampled	Locations Identified on the Sampling Notification Letter	New Locations
Monitoring Wells	28	28	-----
Surface Water	10	11 (Grantham Ck Entry, Half Moon Ck Entry, and Hick Hollow Ck Entry were not sampled)	2 (Locations GC-E and HMC-S were added)

Locations Not Sampled/Reason: A total of 3 surface water locations identified on the sampling notification letter were not sampled, per the site lead:

- "Hick Hollow Ck Entry"– The existing offsite location "HickHCrTSD-East" is considered to be a sufficient location for the entry point of Hickory Hollow Creek.
- "Half Moon Ck Entry"–The new offsite location "HMC-S" is considered to be a sufficient location for the entry point of Half Moon Creek.
- "Grantham Ck Entry"–The new offsite location "GC-E" is considered to be a sufficient location for the entry point of Grantham Creek.

Location Specific Information:

Location IDs	Comments
HALFMOON CREEK	The site lead removed VOA sampling from this location on April 22, 2013.
HALFMOONCRKOVERFLOW, Pond West of GZ, Reeco Pit (A), Reeco Pit (B), Reeco Pit (C)	VOC samples were collected at these SW locations using this technique: A dedicated ~10' piece of ¼" inside diameter Teflon tubing was used at each location (Teflon is an approved material for VOC sampling). One end of the tubing was held below the surface of the water, close to the bottom of the pond where sinking volatiles may be found. Using a peristaltic pump, water was pumped through the tubing for >1 minute. When the tubing was full of water and any bubbles had been cleared, the pump was stopped and the Teflon tubing was carefully removed from the pumphead tubing. The retained water was then slowly drained into VOC vials.
HM-2B, HM-3, SA2-2-L, SA4-5-L	pH ≈ 9.5, 9.3, 11.8, 11.7, respectively.
HM-3, SA1-3-H, SA1-7-H, SA4-5-L	Purge water was retained, combined, and then dumped on the ground per D. Depinho. (See 'SAL_Contam_Well_Purge_Vols_2013.xls' from D. Depinho, attached as an email to C. Gauthier on 3/19/13, subject: "Notice to File and calculations attached")
HMH-16R	This well did not have a lock on it. We installed a 3359 lock after sampling.
HMH-16R, SA1-12-H, SA2-2-L, SA4-5-L	Category II based on WL drop at low flow rate.
HMH-5R	The purge water was retained in a 5-gal bucket. This water was sparged for > 2hours then dumped on the ground per D. Depinho. The water was sparged vigorously using a compressor with an air nozzle. (See 'SAL_Contam_Well_Purge_Vols_2013.xls' from D. Depinho, attached as an email to C. Gauthier on 3/19/13, subject: "Notice to File and calculations attached"). The purge water was rust-colored.
HM-L2, SA1-4-H	Changed out bladder pump cap assembly - old cap was leaking air.
HM-S	WL of 8.01' was taken at 10:15, 4/23/13 pre-redevelopment. Arrived at this well to sample at ~14:15 and the WL was ~ 8.8' and recovering slowly.
HM-S, SA1-1-H, SA1-2-H, SA1-5-H, SA1-6-H	These wells were re-developed during the morning of 4/23/13, prior to sampling.
SA1-1-H	Purged and sampled tritium and metals with a peristaltic pump and sampled VOCs with the dedicated bladder pump.
SA1-2-H	Water level of 7.22' was taken at 13:55, 4/23/13 pre-redevelopment. When returned to sample well, water level was measured at 7.47' at 15:23.
SA2-2-L	DO reading was not recorded because of air in the discharge tubing.
SA5-4-4	Min purge vol=3500 gal per Program Directive. Start time=18:00, 4/24. Totalizer not available. Flow rate was measured as 7.5 gpm. WL confirmed as 169.08' prior to sampling. Generator (full of gas) was started at 18:00. It ran out of gas at ~4am, which was confirmed by the transducer (~4500 gal purged). In the morning (~8am, 4/25), the generator was verified empty & refilled and the purge was re-started.
SA5-5-4	Min purge vol=3500 gallons per Program Directive. Start time = 12:20, 4/23. Totalizer not available. Flow rate was determined by timing measured volumes. WL was confirmed as 165.42' prior to sampling. Flow rate = 6 gpm. Total purge time calculated as (9 hours + 45 min); 3500 gal will be purged at ~10:00pm. The generator ran for ~6.5 hours per tank of fuel. The generator was refueled once at 1/4 tank. Based on rate of gas consumption, the generator was empty after ~11.5 hours, or ~midnight (~4200 gal purged). In the morning (4/24) the generator was verified empty and refilled and the purging parameters and samples were collected. Restart pumping at 08:58 on 4/24.

Other Information:

- The field measurements of oxygen reduction potential (ORP) and dissolved oxygen (DO) were required only at the Source Area 1 monitoring wells. However, these field measurements were recorded at all locations because the field instruments had been calibrated for these parameters.
- The field measurement of turbidity was not required at the surface water locations; however, turbidity was measured to determine whether filtration was necessary. (The metals fractions at HALFMOONCRKOVERFLOW, Pond West of GZ, and Reeco Pit (C) were filtered.)
- A dissolved oxygen check performed on the morning of 4/24/13 for YSI "G" was below the acceptance level. The probe was re-calibrated and it operated within acceptable levels the remainder of the event.

Quality Control Sample Cross Reference: The following are the false identifications assigned to the quality control samples.

False ID	Ticket Number	RIN	True ID	Sample Type
2326	LFR 239	13045258	-----	Trip Blank
2327	LFR 240	13045258	-----	Trip Blank
2323	LFR 236	13045258	HMH-5R	Duplicate (VOA & Metals)
2589	LFR 322	13045260	SA5-4-4	Duplicate (Gamma, H-3)

Duplicates were collected by filling all bottles labeled with the location number first, then filling all bottles labeled with the false ID second.

Report Identification Numbers (RINs) Assigned:

RIN	Associated Lab	Analytes	Comments
13045237	Purdue	Chlorine-36	-----
13045258	ALS Fort Collins	Volatile organics, arsenic, lead, barium, chromium	-----
13045260	GEL	Gamma, tritium (including enriched)	Field data sheets can be found in this RIN directory in Crow\sms. All field data collected with the Field Data Collection System are associated with this RIN.

Sample Shipments: Samples were shipped overnight via FedEx from Hattiesburg, MS, on April 25, 2013.

Water Level Measurements: Water levels were measured in all sampled wells.

Site Inspection: A FIMS Condition Assessment was required on the site assets. The wells and the site monument are the only site assets currently owned by DOE. All of the wells and the monument were in good condition and a photo was taken of each to document the condition.

Well Inspection Summary: Photos were taken at all well locations for the FIMS report; an additional photo was taken of each well's cap assembly for reference. All surface water locations were also documented by photos to aid in finding them in the future if the team going to the site changes. Photos are available at \\gull\Sites_Prod\Sites\MS\SALMON\Images\2013\20130422_Gauthier_Sampling_Fims

All locks were replaced with 3359-keyed locks.

Sampling Method: Samples were collected according to the *Sampling and Analysis Plan for the U. S. Department of Energy Office of Legacy Management Sites* (LMS/PLN/S04351, continually updated). High-volume wells SA5-4-4 and SA5-5-4 were sampled per Program Directive SAL-2013-01.

Field Variance: Turbidity requirements could not be met for Category I wells HMH-5R, SA1-2-H, and SA1-3-H.The metals fractions were filtered.

Equipment: All equipment functioned properly, with the exception of the audible alert function for a water level meter. All wells (with the exception of the Source Area 5 wells) were sampled using the low-flow procedure and dedicated bladder pumps. Source Area 5 wells were sampled with installed dedicated submersible Grundfos electric pumps. Surface waters were sampled using a peristaltic pump and dedicated tubing or by container immersion. All sampling equipment was dedicated or disposable.

The Field Data Collection System was used to collect data. The times collected are in the CDT time zone.

Transducers: Pressure transducers allow water levels to be monitored frequently so that both short and long-term water level fluctuations in aquifers can be assessed. Transducers with self-contained data loggers are located several feet to tens of feet below water in 12 wells at the site and record the pressure of water above the transducer (units in feet of water) every 3 hours. At Salmon, transducers are in each of the six SGZ wells which are successively screened in the upper 6 aquifers (Alluvial, Local, 1, 2A, 2B, 3) to monitor vertical gradients and interactions between aquifers. Transducers are also located in 6 of the local aquifer wells, the uppermost aquifer that is used nearby for water supply, to determine flow directions within this aquifer. All but one of the transducers is non-vented and deployed on 1/16” wire and have to be pulled from the wells for downloading. A barometric transducer is located in well HM-2B to record atmospheric pressure, which is subtracted from the raw pressure readings from the non-vented transducers to determine their depth below water. A non-vented transducer feels both the weight of water above the transducer plus the atmospheric pressure. Well SA2-2-L is equipped with a direct-read vented cable and transducer that should allow downloading without pulling the transducer from this well. However, this transducer would not connect to the computer through the cable during the 2013 April sampling event and it had to be pulled from the well for downloading. Transducers vented to the atmosphere do not need to be atmospheric pressure corrected. Care should be taken not to kink the vent tube when pulling vented transducers out of wells for downloading if they fail to connect through the cable. It was planned to drop well SA2-4-L from the transducer network because its water level closely tracks that of nearby well SA2-2-L. However, because of the inability to connect with the SA2-2-L transducer through its cable, the 30 psi transducer that was going to be used to back up the Baro Troll was placed in SA2-4-L.

List of wells equipped with pressure transducers:

Well	Aquifer	Location	Transducer Model	2013 Depth to Water	Transducer Serial #
HM-S	Alluvial	SGZ	TROLL 300 – 100 psi	7.89	332268
HM-L	Local	SGZ	TROLL 300 – 100 psi	91.38	332275
HM-1	1	SGZ	TROLL 300 – 100 psi	96.79	332283
HM-2A	2A	SGZ	TROLL 300 – 100 psi	115.22	331284
HM-2B	2B	SGZ	TROLL 300 – 100 psi	124.03	178499
HM-3	3	SGZ	TROLL 300 – 100 psi	122.9	331285
SA2-2-L	Local	2500 ft NE of SGZ	TROLL 500 – 100 psi vented	168.67	127552
SA2-4-L	Local	2700 ft NNE of SGZ	TROLL 300 – 30 psi		330244
SA1-8-L	Local	1600 ft SE of SGZ	TROLL 300 – 100 psi	94.59	330245
SA4-5-L	Local	2000 ft SW of SGZ	TROLL 300 – 100 psi	112.88	178994
HM-L2	Local	2400 ft W of SGZ	TROLL 300 – 100 psi	98.18	332247
SA5-4-4	4	6000 ft SW of SGZ	TROLL 300 – 100 psi	169.08	178993
BARO		SGZ in HM-2B	Baro Troll – 15 psi	-	331119

Rain Gage: The precipitation data previously used for the site was from the Purvis station which is 10 miles east of the site. A Texas Electronics TR-525USW tipping bucket rain gage was installed at well HMH-5R on April 23, 2013. Each event or tip is equivalent to 0.01" of precipitation. An Onset HOBO data logger located within the gage records each event, plus temperature every 12 hrs. The data logger is powered by a 3-volt CR2032 lithium battery (available at Walmart, Home Depot) that should be replaced each sampling trip. The rain gage recorded 1.11 inches of precipitation the day after it was installed, the only inclement weather day during the sampling trip.

Stakeholder/Regulatory: An access agreement was signed by Lane Smith for access to the Grantham Creek Entry surface location. The surface location was replaced by another location, but the access will be retained in case we need to sample this location in the future. Keys for the new locks were distributed to the Mississippi Forestry Commission staff and the Mississippi Department of Health Radiologic Health Division staff.

Institutional Controls: `

Fences, Gates, and Locks: All gates were locked and in good condition.
Signs: Acceptable.
Trespassing/Site Disturbances: None observed.

Site Issues:

- Cell phone service (Verizon) was weak but available at the site.
- On April 24, 2013, when the surface water samples were collected, there was intermittent but heavy rain at the site.

Disposal Cell/Drainage Structure Integrity: N/A
Vegetation/Noxious Weed Concerns: None.
Maintenance Requirements: None.
Safety Issues: None.

Access Issues:

- Some roads on the site are becoming eroded by water runoff, but these roads are still passable by the U-Haul trucks and the rented SUVs.
- A 3359 lock was installed on the eastern gate to the site.
  A 3359 lock was installed on the western gate to the site. There is an additional gate on Tatum Salt Dome road outside of the west entrance that is owned by Weyerhaeuser. Access through this gate is useful for reaching 2 of the offsite surface locations. We have at least one key for this lock. The Realty group will be looking in to an access agreement with Weyerhaeuser, and obtaining additional keys.

Corrective Action Taken: The storage shed that had been rented in Purvis was emptied on April 25, 2013, of the remaining items after a break-in and theft that occurred in February. The threaded PVC found in the shed (approximately 25 lengths of 10-foot sections) was taken to the site and left at Ground Zero. Last year's trip report describes this PVC as "excess after the July 2011 installation of a water level tube in well SA5-4-4 by Grinier Drilling Service."

Corrective Action Required/Recommended:

- The water level meter being used by Karl Barber has a tape with faded or missing measurement marks. It is recommended that he be provided a better meter.
- Consider mowing weeds/grasses/small trees around some onsite wells.

(GB/lcg)

cc (electronic):
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