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ENVIRONMENT

Ms. Bruni Davila
United States Environmental Protection Agency, Region IX
75 Hawthorne Street, 9th Floor
SFD-7-1
San Francisco, California 94105

Subject:
USEPA Fourth Quarter 2015 Monitoring Report
Watkins-Johnson Superfund Site, 440 Kings Village Road, Scotts Valley, California

Date:
24 December 2015

Contact:
Jeremie Maehr

Phone:
415.432.6918

Email:
Jeremie.Maehr@arcadis.com

Our ref:
RC000463.0112.NA215

Dear Ms. Davila:

Arcadis has prepared this *United States Environmental Protection Agency* (*USEPA) Fourth Quarter 2015 Monitoring Report* for the Watkins-Johnson Superfund Site, 440 Kings Village Road, Scotts Valley, California (Site). This report is submitted in accordance with the *Final Remedial Design Plan for Remedial Design/Remedial Action (*Watkins-Johnson Environmental, Inc. August 31, 1993*, Final Remedial Design Plan for Remedial Design/Remedial Action, Watkins-Johnson Company, Scotts Valley, California)* for the Site.

Introduction

This report presents the information obtained during the fourth quarter 2015 (September 1, 2015 through November 30, 2015) for the Site.

This quarterly report provides:

- A discussion of the groundwater monitoring program and the associated activities performed during the current quarter;
- A summary of groundwater monitoring activities;
- A summary of groundwater level measurements;
- A summary of groundwater quality results;
- A summary of the status of the groundwater extraction and treatment system (GWETS) and the soil vapor extraction system (SVES);
- A summary of data validation results; and
- Summary.

Groundwater Monitoring Program

Arcadis assumed responsibility for operation of the remedial system at the Site in July 1999. At that time, the USEPA and Watkins Johnson Company (WJC) had agreed to specific activities to monitor trichloroethene (TCE), which had been observed in monitoring well WJ-41 at concentrations above its maximum contaminant level (MCL) of 5 micrograms per liter (µg/L). During the June 1999 sampling event, tetrachloroethene (PCE) began to be detected in well WJ-43.

After review of the historic and recent data from site-wide monitoring in December 2002, the groundwater-monitoring program was modified to only require quarterly sampling of Regional Zone wells WJ-41 and WJ-43. In 2010, USEPA requested that the routine groundwater monitoring program include wells WJ-11, WJ-37A, WJ-41, WJ-43, the Wescosa Well and additional wells installed upgradient and offsite (*Addendum to Sampling and Analysis Plan – Background Groundwater Assessment*, ARCADIS April 16, 2010). Four additional upgradient offsite wells (KV-1 through KV-4) were installed during the third and fourth quarters of 2010. Five new upgradient offsite wells were installed in the fourth quarter of 2013 as part of the *Final Remedy Optimization Work Plan* approved by the USEPA on February 11, 2013.

Well locations are shown on Figure 1. Groundwater samples are collected using passive diffusion bag (PDB) samplers (*User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells,* USGS, Water-Resources Investigations Report, 01-4060, 2001) as approved by the USEPA (May 5, 2004).

Groundwater from the Wescosa Well is collected from a spigot.

Although it is not a site-related contaminant, the USEPA has requested that methyl tertiary butyl ether (MTBE) be analyzed in groundwater samples collected from site monitoring wells. Therefore, following the removal of PDB samplers, a grab groundwater sample is collected from each well using a bailer.

Fourth Quarter 2015 Activities

The following activities were conducted during the fourth quarter 2015:

- September 18, 2015: Collected samples from the GWETS influent, midpoint and effluent.

- October 15, 2015: Performed groundwater monitoring and sampling, which included: collection of water level measurements at wells WJ-11, WJ-37A, WJ-41, WJ-43, and KV-1 through KV-9; and the collection of groundwater samples at wells WJ-11, WJ-37A, WJ-41, WJ-43, Wescosa Well, KV-1, KV-2 (180, 190, and 200 feet below top of casing (BTOC)), KV-3 (172 and 182 feet BTOC), KV-4, KV-5, KV-6 (125 and 133 feet BTOC), KV-7 (115, 125, and 136 feet BTOC), KV-8 (174, 185, and 195 feet BTOC), KV-9 (138 and 148 feet BTOC), and EX-1 (125 and 145 feet BTOC). Collected samples from the GWETS influent, midpoint and effluent.

- November 13, 2015: Collected samples from the GWETS influent, midpoint and effluent.

Groundwater-Level Measurements

As approved by the USEPA (January 27, 2003), site-wide depth-to-water measurements were no longer required as part of the revised monitoring program. Table 1 presents a summary of groundwater elevation data for selected Regional Zone and Perched Zone wells. Groundwater elevations for wells and groundwater contours at the Site and the upgradient offsite wells are presented on Figure 2.

During the fourth quarter 2015 Regional Zone wells WJ-11, WJ-37A, WJ-41, WJ-43, EX-1 and KV-1 through KV-9 were gauged. The Wescosa Well is sampled via a spigot, therefore gauging is not performed.

Groundwater Quality Conditions

Regional Zone wells WJ-11, WJ-37A, WJ-41, WJ-43, EX-1, and upgradient monitoring wells KV-1, KV-2, KV-3, KV-4, KV-5, KV-6, KV-7, KV-8, KV-9, and the Wescosa Well were sampled on July 13, 2015.

The samples were submitted to Curtis & Tompkins, Ltd., Analytical Laboratories (C&T) under chain of custody for analysis of volatile organic compounds (VOCs) using USEPA Test Method 8260B. The analytical results are presented in Table 2. PCE and TCE concentrations detected during the current quarter in Regional Zone groundwater wells at the Site are shown on Figure 3.

Summary of Soil Vapor Extraction System Operation

The SVE system was shut down following USEPA approval in April 2001. ARCADIS submitted the final *VLEACH Modeling Report* (*ARCADIS, July 2, 2003, Final Modeling Report VLEACH Analysis of Current Conditions, Watkins-Johnson Superfund Site, Scotts Valley, California)* to the USEPA on July 2, 2003 for consideration for final shutdown of the SVE. EPA provided approval of the VLEACH report to ARCADIS in a letter dated May 8, 2008. No vapor samples were collected during the current quarter.

Summary of Groundwater Extraction and Treatment System Operation

The GWETS began operation in 1986. The Perched Zone infiltration gallery was shut down with USEPA approval in May 2000. Discharge is authorized under NPDES Order Number R3-2006-0067, Permit Number CAG993002.

In 2008, ARCADIS proposed the shutdown of extraction well RA-2 to evaluate groundwater conditions and quality at the Site under a no-pumping state (*Proposal for RA-2 Shutdown and Groundwater Concentration Rebound Evaluation, ARCADIS,* November 6, 2008). With approval from the USEPA (letter from USEPA to ARCADIS dated November 21, 2008), extraction well RA-2 was shut down on December 19, 2008 and the RA-2 shutdown rebound evaluation commenced. On July 2, 2009, ARCADIS submitted the *Summary of RA-2 Shutdown and Groundwater Concentration Rebound Evaluation* to the USEPA, with the recommendation that the treatment system be permanently shut down because remedial goals for the Site had been reached. The USEPA requested in an email dated August 17, 2009 that the GWETS be restarted. The GWETS was formally restarted on November 19, 2009 following system modifications due to the facility no longer requiring the water, and the replacement of a failed pump in RA-2. A carbon changeout was last performed for the system during the fourth quarter of 2011.

Results for routine GWETS sampling events are presented on Table 3. During the current quarter 4,941,805 gallons of treated water were discharged to Bean Creek (Table 4).

Summary of Groundwater Quality Data Validation

Groundwater quality data were reviewed and assigned qualifiers in accordance with the *Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses* (USEPA, 1985). Sample results are considered valid and usable without qualification. Sample results for the quality control (QC) batch were accepted by the laboratory based on percent recoveries and completeness of the QC data. The quality assurance/quality control (QA/QC) data validation summary for groundwater is included in Appendix A.

Summary

During the Fourth quarter 2015 system sampling, the maximum PCE and TCE concentrations detected in the system influent was 5.4 and 1.0 µg/L, respectively. All influent concentrations were treated to below permit limits prior to discharge.

During the fourth quarter 2015 groundwater sampling, PCE was detected above the MCL (5 µg/L) in 10 of the 15 monitoring wells sampled (WJ-11, WJ-37A, WJ-43, EX-01, upgradient wells KV-2, KV-6, KV-7, and KV-9).

- Maximum PCE concentration was 78 µg/L at KV-7 at 115 feet BTOC.

TCE was not detected above the MCL (5 µg/L) at wells sampled this quarter.

During the fourth quarter 2015 sampling event cis-1,2-DCE was detected at KV-6/KV-3 and is summarized below:

- KV-6 at 125 and 133 feet BTOC at concentrations of 0.7 and 0.7 µg/L, respectively
- KV-3 at 172 and 182 feet BTOC at concentrations of 0.6 and 0.8 µg/L.

During the fourth quarter 2015 sampling event, acetone was detected at EX-1, KV-1 through KV-9, WJ-11, WJ-37A, WJ-37A, WJ-41, and WJ-43.

- Maximum acetone concentration was 110 µg/L at KV-6 at 125 feet BTOC.

At the Wescosa Well location, 1, 2-DCA was detected at a concentration of 23 µg/L, vinyl chloride was detected at a concentration of 19 µg/L, and carbon disulfide was detected at a concentration of 5.1 µg/L. Other analytes were not detected at wells sampled this quarter.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Arcadis

REGISTERED PROFESSIONAL ENGINEER
JEREMIE R. MAEHR
NO. C68970
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

Jeremie Maehr, PE
Certified Project Manager

Attachments:

Table 1	Summary of Groundwater Elevation Data – Selected Wells
Table 2	Results of Laboratory Analyses for Selected Purgeable Halocarbons
Table 3	Results of Laboratory Analyses for Volatile Organic Compounds in the Treatment System Samples
Table 4	Summary of Groundwater Extraction, Usage, and Discharge to Bean Creek
Figure 1	Regional and Perched Zone Groundwater Wells and Soil Vapor Wells
Figure 2	Regional Zone Groundwater Elevations (July 2015)
Figure 3	Groundwater Analytical Results – PCE and TCE (July 2015)
Appendix A	Data Validation Summary
Appendix B	Groundwater Sampling Field Forms
Appendix C	Laboratory Analytical Results

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Tables

Table 1
Summary of Groundwater Elevation Data – Selected Wells
Watkins-Johnson Superfund Site
Scotts Valley, California
USEPA Fourth Quarter 2015 Monitoring Report

Monitoring Well	Date	TOC Elevation (feet msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)	Change from Previous Measurement (ft)	Quarter
AP-1	02/02/07	532.49	188.52	343.97	---	1st 2007
AP-1	02/12/08	532.49	190.15	342.34	-1.63	1st 2008
AP-3N	02/02/07	523.05	175.52	347.53	---	1st 2007
AP-3N	02/12/08	523.05	175.86	347.19	-0.34	1st 2008
AP-3N	03/20/09	523.05	174.56	348.49	1.30	2nd 2009
AP-3N	04/21/09	523.05	194.60	328.45	-20.04	2nd 2009
AP-3N	05/21/09	523.05	174.65	348.40	19.95	2nd 2009
DH-7	02/23/10	469.18	98.90	370.28	---	1st 2010
M-1	02/02/07	524.38	180.02	344.36	---	1st 2007
M-1	02/12/08	524.38	179.85	344.53	0.17	1st 2008
MW-2	10/20/09	482.21	DRY	DRY	---	4th 2009
OB-1	02/02/07	453.16	107.33	345.83	---	1st 2007
OB-1	02/12/08	453.16	108.90	344.26	-1.57	1st 2008
OB-1	03/20/09	453.16	105.82	347.34	3.08	2nd 2009
OB-1	04/21/09	453.16	107.35	345.81	-1.53	2nd 2009
OB-1	05/21/09	453.16	105.30	347.86	3.60	2nd 2009
OB-1	02/23/10	453.16	105.63	347.53	0.19	1st 2010
OB-2	02/02/07	455.23	109.15	346.08	---	1st 2007
OB-2	02/12/08	455.23	110.85	344.38	-1.70	1st 2008
OB-2	12/19/08	455.23	111.50	343.73	-0.65	1st 2009
OB-2	02/23/09	455.23	108.76	346.47	2.74	1st 2009
OB-2	03/20/09	455.23	107.80	347.43	0.96	2nd 2009
OB-2	04/21/09	455.23	107.26	347.97	0.54	2nd 2009
OB-2	05/21/09	455.23	107.22	348.01	0.04	2nd 2009
OB-2	02/23/10	455.23	107.40	347.83	-0.18	1st 2010
OB-3	02/02/07	455.97	109.60	346.37	---	1st 2007
OB-3	02/18/07	455.97	111.20	344.77	-1.60	1st 2008
PZE-6	10/20/09	453.49	DRY	DRY	---	4th 2009
RA-1	02/02/07	453.92	108.10	345.82	---	1st 2007
RA-1	02/18/07	453.92	109.70	344.22	-1.60	1st 2008
RA-1	12/05/08	453.92	110.73	343.19	-1.03	1st 2009
RA-1	12/19/08	453.92	110.30	343.62	0.43	1st 2009
RA-1	02/23/09	453.92	107.30	346.62	3.00	1st 2009
RA-1	03/20/09	453.92	106.30	347.62	1.00	2nd 2009
RA-1	04/21/09	453.92	105.90	348.02	0.40	2nd 2009
RA-1	05/21/09	453.92	105.85	348.07	1.45	2nd 2009
RA-2	02/02/07	454.44	125.60	328.84	---	1st 2007
RA-2	02/12/08	454.44	117.68	336.76	7.92	1st 2008
RA-2	12/05/08	454.44	118.70	335.74	-1.02	1st 2009
RA-2	12/19/08	454.44	116.20	338.24	2.50	1st 2009
RA-2	02/23/09	454.44	108.25	346.19	7.95	1st 2009
RA-2	03/20/09	454.44	102.20	352.24	6.05	2nd 2009
RA-2	04/21/09	454.44	106.90	347.54	-4.70	2nd 2009
RA-2	05/21/09	454.44	106.85	347.59	1.40	2nd 2009
RA-3	02/02/07	469.78	125.54	344.24	---	1st 2007
RA-3	02/12/08	469.78	125.72	344.06	-0.18	1st 2008
RA-3	12/05/08	469.78	126.90	342.88	-1.18	1st 2009
RA-3	12/19/08	469.78	126.90	342.88	0.00	1st 2009
RA-3	02/23/09	469.78	124.90	344.88	2.00	1st 2009
RA-3	03/20/09	469.78	124.30	345.48	0.60	2nd 2009
RA-3	04/21/09	469.78	124.23	345.55	0.07	2nd 2009

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RA-3	05/21/09	469.78	124.46	345.32	0.44	2nd 2009
RA-4	12/05/08	450.09	106.50	343.59	---	1st 2009
RA-4	12/19/08	450.09	106.46	343.63	0.04	1st 2009
SUPPLY WELL	02/02/07	483.20	136.34	346.86	---	1st 2007
SUPPLY WELL	02/12/08	483.20	136.15	347.05	0.19	1st 2008
SUPPLY WELL	02/23/10	483.20	135.32	347.88	0.83	1st 2010
SVWD #9 Monitor Well	05/13/08	528.00	181.50	346.50	---	2nd 2008
WJ-11	02/02/07	467.46	120.58	346.88	---	1st 2007
WJ-11	02/12/08	467.46	122.43	345.03	-1.85	1st 2008
WJ-11	12/05/08	467.46	123.35	344.11	-0.92	1st 2009
WJ-11	12/19/08	467.46	123.34	344.12	0.01	1st 2009
WJ-11	02/23/09	467.46	120.67	346.79	2.67	1st 2009
WJ-11	03/20/09	467.46	119.70	347.76	0.97	2nd 2009
WJ-11	04/21/09	467.46	119.10	348.36	0.60	2nd 2009
WJ-11	05/21/09	467.46	118.91	348.55	0.19	2nd 2009
WJ-11	02/23/10	467.46	119.51	347.95	-0.60	1st 2010
WJ-11	05/12/10	467.46	119.57	347.89	-0.06	2nd 2010
WJ-11	08/19/10	467.46	119.72	347.74	-0.15	3rd 2010
WJ-11*	11/17/10	470.22	120.09	350.13	2.39	4th 2010
WJ-11*	02/09/11	470.22	119.84	350.38	0.25	1st 2011
WJ-11*	04/13/11	470.22	118.76	351.46	1.08	2nd 2011
WJ-11*	07/19/11	470.22	118.24	351.98	0.52	3rd 2011
WJ-11*	10/18/11	470.22	117.73	352.49	0.51	4th 2011
WJ-11*	02/09/12	470.22	116.66	353.56	1.07	1st 2012
WJ-11*	05/31/12	470.22	119.07	351.15	-2.41	2nd 2012
WJ-11*	08/15/12	470.22	118.42	351.80	0.65	3rd 2012
WJ-11*	10/23/12	470.22	119.02	351.20	-0.60	4th 2012
WJ-11*	01/09/13	470.22	119.29	350.93	-0.27	1st 2013
WJ-11*	03/11/13	470.22	119.50	350.72	-0.21	2nd 2013
WJ-11*	07/10/13	470.22	120.35	349.87	-0.85	3rd 2013
WJ-11*	10/10/13	470.22	120.72	349.50	-0.37	4th 2013
WJ-11*	01/23/14	470.22	119.82	350.40	0.90	1st 2014
WJ-11*	03/13/14	470.22	120.31	349.91	-0.49	2nd 2014
WJ-11*	07/03/14	470.22	121.07	349.15	-0.76	3rd 2014
WJ-11*	09/17/14	470.22	121.17	349.05	-0.10	4th 2014
WJ-11*	12/17/14	470.22	121.17	349.05	0.00	1st 2015
WJ-11*	03/26/15	470.22	121.51	348.71	-0.34	2nd 2015
WJ-11*	07/13/15	470.22	121.83	348.39	-0.32	3rd 2015
WJ-11*	**10/15/15**	**470.22**	**120.18**	**350.04**	**-1.65**	**4th 2015**
WJ-21	02/02/07	unk	133.84	NA	---	1st 2007
WJ-21	02/12/08	unk	133.86	NA	NA	1st 2008
WJ-22	02/02/07	477.89	134.20	343.69	---	1st 2007
WJ-22	02/12/08	477.89	134.15	343.74	0.05	1st 2008
WJ-25A	02/02/07	459.42	132.21	327.21	---	1st 2007
WJ-25A	02/12/08	459.42	116.50	342.92	15.71	1st 2008
WJ-25A	12/05/08	459.42	116.45	342.97	0.05	1st 2009
WJ-25A	12/19/08	459.42	116.40	343.02	0.05	1st 2009
WJ-25A	02/23/09	459.42	128.38	331.04	-11.98	1st 2009
WJ-25A	03/20/09	459.42	116.22	343.20	12.16	2nd 2009
WJ-25A	04/21/09	459.42	116.39	343.03	-0.17	2nd 2009
WJ-25A	05/21/09	459.42	113.57	345.85	2.82	2nd 2009
WJ-26	02/02/07	477.90	131.02	346.88	---	1st 2007

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WJ-26	02/12/08	477.90	132.72	345.18	-1.70	1st 2008
WJ-29A	02/02/07	448.90	102.64	346.26	---	1st 2007
WJ-29A	02/12/08	448.90	103.35	345.55	-0.71	1st 2008
WJ-29A	02/23/09	448.90	102.55	346.35	0.80	1st 2009
WJ-29A	03/20/09	448.90	101.70	347.20	0.85	2nd 2009
WJ-29A	04/21/09	448.90	101.50	347.40	0.20	2nd 2009
WJ-29A	05/21/09	448.90	101.51	347.39	-0.01	2nd 2009
WJ-37	10/20/09	461.91	85.37	376.54	---	4th 2009
WJ-37A	02/02/07	462.54	115.85	346.69	---	1st 2007
WJ-37A*	05/01/07	522.63	175.91	346.72	---	3rd 2007
WJ-37A	12/05/08	462.54	118.65	343.89	0.00	1st 2009
WJ-37A	12/19/08	462.54	118.15	344.39	0.50	1st 2009
WJ-37A	02/23/09	462.54	115.80	346.74	2.35	1st 2009
WJ-37A	03/20/09	462.54	114.83	347.71	0.97	2nd 2009
WJ-37A	04/21/09	462.54	114.30	348.24	0.53	2nd 2009
WJ-37A	05/21/09	462.54	114.15	348.39	0.15	2nd 2009
WJ-37A	02/23/10	462.54	114.73	347.81	-0.58	1st 2010
WJ-37A	05/12/10	462.54	114.79	347.75	-0.06	2nd 2010
WJ-37A	08/19/10	462.54	114.93	347.61	-0.14	3rd 2010
WJ-37A*	11/17/10	465.28	115.32	349.96	2.35	4th 2010
WJ-37A*	02/09/11	465.28	115.03	350.25	0.29	1st 2011
WJ-37A*	04/13/11	465.28	113.91	351.37	1.12	2nd 2011
WJ-37A*	07/19/11	465.28	113.51	351.77	0.40	3rd 2011
WJ-37A*	10/18/11	465.28	112.94	352.34	0.57	4th 2011
WJ-37A*	02/09/12	465.28	113.83	351.45	-0.89	1st 2012
WJ-37A*	05/31/12	465.28	114.37	350.91	-0.54	2nd 2012
WJ-37A*	08/15/12	465.28	113.73	351.55	0.64	3rd 2012
WJ-37A*	10/23/12	465.28	114.23	351.05	-0.50	4th 2012
WJ-37A*	01/09/13	465.28	114.51	350.77	-0.28	1st 2013
WJ-37A*	03/11/13	465.28	118.82	346.46	-4.31	2nd 2013
WJ-37A*	07/10/13	465.28	116.25	349.03	2.57	3rd 2013
WJ-37A*	10/16/13	465.28	115.87	349.41	0.38	4th 2013
WJ-37A*	01/23/14	465.28	115.03	350.25	0.84	1st 2014
WJ-37A*	03/13/14	465.28	115.55	349.73	-0.52	2nd 2014
WJ-37A*	07/03/14	465.28	116.33	348.95	-0.78	3rd 2014
WJ-37A*	09/17/14	465.28	116.39	348.89	-0.06	4th 2014
WJ-37A*	12/17/14	465.28	116.43	348.85	-0.04	1st 2015
WJ-37A*	03/26/15	465.28	116.66	348.62	-0.23	2nd 2015
WJ-037A*	**10/10/15**	**465.28**	**116.70**	**348.58**	**0.04**	**3rd 2015**
WJ-41	08/15/07	522.63	176.83	345.80	-0.92	4th 2006
WJ-41	11/13/07	522.63	174.50	348.13	2.33	1st 2007
WJ-41	02/12/08	522.63	177.08	345.55	-2.58	1st 2008
WJ-41	05/13/08	522.63	177.40	345.23	-0.32	2nd 2008
WJ-41	08/05/08	522.63	177.77	344.86	-0.37	3rd 2008
WJ-41	12/05/08	522.63	178.90	343.73	-1.13	1st 2009
WJ-41	12/19/08	522.63	177.78	344.85	1.12	1st 2009
WJ-41	02/23/09	522.63	175.12	347.51	2.66	1st 2009
WJ-41	03/20/09	522.63	174.20	348.43	0.92	2nd 2009
WJ-41	04/21/09	522.63	173.84	348.79	0.36	2nd 2009
WJ-41	05/21/09	522.63	173.75	348.88	0.09	2nd 2009
WJ-41	08/06/09	522.63	173.80	348.83	-0.05	3rd 2009
WJ-41	10/20/09	522.63	173.94	348.69	-0.14	4th 2009
WJ-41	02/23/10	522.63	173.96	348.67	-0.02	1st 2010

Table 1
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Monitoring Well	Date	TOC Elevation (feet msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)	Change from Previous Measurement (ft)	Quarter
WJ-41	05/12/10	522.63	174.23	348.40	-0.27	2nd 2010
WJ-41	08/19/10	522.63	174.49	348.14	-0.26	3rd 2010
WJ-41*	11/17/10	523.65	174.83	348.82	0.68	4th 2010
WJ-41*	02/09/11	523.65	174.61	349.04	0.22	1st 2011
WJ-41*	04/13/11	523.65	173.09	350.56	1.52	2nd 2011
WJ-41*	07/19/11	523.65	173.11	350.54	-0.02	3rd 2011
WJ-41*	10/18/11	523.65	172.63	351.02	0.48	4th 2011
WJ-41*	02/09/12	523.65	173.54	350.11	-0.91	1st 2012
WJ-41*	05/31/12	523.65	174.00	349.65	-0.46	2nd 2012
WJ-41*	08/15/12	523.65	173.14	350.51	0.86	3rd 2012
WJ-41*	10/23/12	523.65	172.84	350.81	0.30	4th 2012
WJ-41*	01/09/13	523.65	173.49	350.16	-0.65	1st 2013
WJ-41*	03/11/13	523.65	174.29	349.36	-0.80	2nd 2013
WJ-41*	07/10/13	523.65	175.29	348.36	-1.00	3rd 2013
WJ-41*	10/16/13	523.65	175.35	348.30	-0.06	4th 2013
WJ-41*	01/23/14	523.65	174.23	349.42	1.12	1st 2014
WJ-41*	03/13/14	523.65	174.87	348.78	-0.64	2nd 2014
WJ-41*	07/03/14	523.65	175.74	347.91	-0.87	3rd 2014
WJ-41*	09/17/14	523.65	175.62	348.03	0.12	4th 2014
WJ-41*	12/17/14	523.65	175.82	347.83	-0.20	1st 2015
WJ-41*	03/26/15	523.65	175.96	347.69	-0.14	2nd 2015
WJ-41*	07/13/15	523.65	176.12	347.53	-0.16	3rd 2015
WJ-41	**10/16/15**	**523.65**	**175.33**	**348.32**	**-0.79**	**4th 2015**
WJ-43	05/01/07	467.48	120.96	346.52	---	3rd 2006
WJ-43	08/15/07	467.48	121.95	345.53	-0.99	4th 2006
WJ-43	11/13/07	467.48	123.30	344.18	-1.35	1st 2007
WJ-43	02/12/08	467.48	122.59	344.89	0.71	1st 2008
WJ-43	05/13/08	467.48	122.72	344.76	-0.13	2nd 2008
WJ-43	08/05/08	467.48	123.13	344.35	-0.41	3rd 2008
WJ-43	12/05/08	467.48	123.50	343.98	-0.37	1st 2009
WJ-43	12/19/08	467.48	123.50	343.98	0.00	1st 2009
WJ-43	02/23/09	467.48	120.82	346.66	2.68	1st 2009
WJ-43	03/20/09	467.48	119.84	347.64	0.98	2nd 2009
WJ-43	04/21/09	467.48	119.25	348.23	0.59	2nd 2009
WJ-43	05/21/09	467.48	119.10	348.38	0.15	2nd 2009
WJ-43	08/06/09	467.48	119.18	348.30	-0.08	3rd 2009
WJ-43	10/20/09	467.48	119.39	348.09	-0.21	4th 2009
WJ-43	02/23/10	467.48	119.62	347.86	-0.23	1st 2010
WJ-43	05/12/10	467.48	119.71	347.77	-0.09	2nd 2010
WJ-43	08/19/10	467.48	119.82	347.66	-0.11	3rd 2010
WJ-43*	11/17/10	470.19	120.23	349.96	2.30	4th 2010
WJ-43*	02/09/11	470.19	119.96	350.23	0.27	1st 2011
WJ-43*	04/13/11	470.19	118.93	351.26	1.03	2nd 2011
WJ-43*	07/19/11	470.19	118.42	351.77	0.51	3rd 2011
WJ-43*	10/18/11	470.19	117.86	352.33	0.56	4th 2011
WJ-43*	02/09/12	470.19	118.69	351.50	-0.83	1st 2012
WJ-43*	05/31/12	470.19	119.21	350.98	-0.52	2nd 2012
WJ-43*	08/15/12	470.19	118.62	351.57	0.59	3rd 2012
WJ-43*	10/23/12	470.19	119.19	351.00	-0.57	4th 2012
WJ-43*	01/09/13	470.19	119.33	350.86	-0.14	1st 2013
WJ-43*	03/11/13	470.19	119.54	350.65	-0.21	2nd 2013
WJ-43*	07/10/13	470.19	121.50	348.69	-1.96	3rd 2013
WJ-43*	10/16/13	470.19	120.76	349.43	0.74	4th 2013
WJ-43*	01/23/14	470.19	119.98	350.21	0.78	1st 2014
WJ-43*	03/13/14	470.19	120.42	349.77	-0.44	2nd 2014

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WJ-43*	07/03/14	470.19	121.23	348.96	-0.81	3rd 2014
WJ-43*	09/17/14	470.19	121.35	348.84	-0.12	4th 2014
WJ-43*	12/17/14	470.19	121.39	348.80	-0.04	1st 2015
WJ-43*	03/26/15	470.19	121.59	348.60	-0.20	2nd 2015
WJ-43*	07/13/15	470.19	121.74	348.45	-0.15	3rd 2015
WJ-43*	**10/15/15**	**470.19**	**120.99**	**349.20**	**-0.75**	**4th 2015**
WJ-48	02/02/07	453.54	107.22	346.32	---	1st 2007
WJ-48	02/12/08	453.54	108.94	344.60	-1.72	1st 2008
WJ-48	02/23/10	453.54	105.60	347.94	3.34	1st 2010
WJ-49	02/02/07	459.72	113.35	346.37	---	1st 2007
WJ-49	02/12/08	459.72	118.91	340.81	-5.56	1st 2008
WJ-51	10/20/09	490.74	DRY	DRY	---	4th 2009
KV-1*	01/05/11	526.51	175.51	351.00	0.00	1st 2011
KV-1*	02/09/11	526.51	175.32	351.19	-0.19	1st 2011
KV-1*	04/13/11	526.51	174.31	352.20	1.01	2nd 2011
KV-1*	07/19/11	526.51	173.84	352.67	0.47	3rd 2011
KV-1*	10/18/11	526.51	173.13	353.38	0.71	4th 2011
KV-1*	02/09/12	526.51	173.97	352.54	-0.84	1st 2012
KV-1*	05/31/12	526.51	173.97	352.54	0.00	2nd 2012
KV-1*	08/15/12	526.51	173.83	352.68	0.14	3rd 2012
KV-1*	10/23/12	526.51	174.41	352.10	-0.58	4th 2012
KV-1*	01/09/13	526.51	174.69	351.82	-0.28	1st 2013
KV-1*	03/11/13	526.51	174.89	351.62	-0.20	2nd 2013
KV-1*	07/10/13	526.51	175.26	351.25	-0.37	3rd 2013
KV-1*	10/10/13	526.51	176.07	350.44	-0.81	4th 2013
KV-1*	01/23/14	526.51	175.19	351.32	0.88	1st 2014
KV-1*	03/13/14	526.51	175.78	350.73	-0.59	2nd 2014
KV-1*	07/01/14	526.51	176.38	350.13	-0.60	3rd 2014
KV-1*	09/17/14	526.51	176.54	349.97	-0.16	4th 2014
KV-1*	12/17/14	526.51	176.65	349.86	-0.11	1st 2015
KV-1*	03/26/15	526.51	175.27	351.24	1.38	2nd 2015
KV-1*	07/13/15	526.51	176.75	349.76	-1.48	3rd 2015
KV-1*	**10/15/15**	**526.51**	**176.5**	**350.01**	**-0.25**	**4th 2015**
KV-2*	01/05/11	527.70	176.79	350.91	0.00	1st 2011
KV-2*	02/09/11	527.70	176.71	350.99	-0.08	1st 2011
KV-2*	04/13/11	527.70	175.54	352.16	1.17	2nd 2011
KV-2*	07/19/11	527.70	174.93	352.77	0.61	3rd 2011
KV-2*	10/18/11	527.70	171.57	356.13	3.36	4th 2011
KV-2*	02/09/12	527.70	175.11	352.59	-3.54	1st 2012
KV-2*	05/31/12	527.70	175.11	352.59	0.00	2nd 2012
KV-2*	08/15/12	527.70	175.13	352.57	-0.02	3rd 2012
KV-2*	10/23/12	527.70	175.73	351.97	-0.60	4th 2012
KV-2*	01/09/13	527.70	175.97	351.73	-0.24	1st 2013
KV-2*	03/11/13	527.70	176.17	351.53	-0.20	2nd 2013
KV-2*	07/10/13	527.70	177.11	350.59	-0.94	3rd 2013
KV-2*	10/10/13	527.70	177.31	350.39	-0.20	4th 2013
KV-2*	01/23/14	527.70	176.51	351.19	0.80	1st 2014
KV-2*	03/13/14	527.70	177.09	350.61	-0.58	2nd 2014
KV-2*	07/01/14	527.70	176.63	351.07	0.46	3rd 2014
KV-2*	09/17/14	527.70	176.9	350.80	-0.27	4th 2014
KV-2*	12/17/14	527.70	177.93	349.77	-1.03	1st 2015
KV-2*	03/26/15	527.70	175.94	351.76	1.99	2nd 2015
KV-2*	07/13/15	527.70	176.91	350.79	-0.97	3rd 2015
KV-2*	**10/15/15**	**527.70**	**176.82**	**350.88**	**-0.09**	**4th 2015**

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KV-3*	11/17/10	528.19	137.21	390.98	0.00	4th 2010
KV-3*	01/05/11	528.19	135.37	392.82	-1.84	1st 2011
KV-3*	02/09/11	528.19	---	---	---	1st 2011
KV-3*	04/13/11	528.19	135.09	393.10	---	2nd 2011
KV-3*	07/19/11	528.19	133.89	394.30	1.20	3rd 2011
KV-3*	10/18/11	528.19	133.13	395.06	0.76	4th 2011
KV-3*	02/09/12	528.19	131.51	396.68	1.62	1st 2012
KV-3*	05/31/12	528.19	131.51	396.68	0.00	2nd 2012
KV-3*	08/15/12	528.19	130.23	397.96	1.28	3rd 2012
KV-3*	10/23/12	528.19	129.57	398.62	0.66	4th 2012
KV-3*	01/09/13	528.19	128.53	399.66	1.04	1st 2013
KV-3*	03/11/13	528.19	127.83	400.36	0.70	2nd 2013
KV-3*	07/10/13	528.19	133.57	394.62	-5.74	3rd 2013
KV-3*	10/10/13	528.19	129.54	398.65	4.03	4th 2013
KV-3*	01/23/14	528.19	127.77	400.42	1.77	1st 2014
KV-3*	03/13/14	528.19	128.19	400.00	-0.42	2nd 2014
KV-3*	07/01/14	528.19	128.5	399.69	-0.31	3rd 2014
KV-3*	09/17/14	528.19	128.74	399.45	-0.24	4th 2014
KV-3*	12/17/14	528.19	128.07	400.12	0.67	1st 2015
KV-3*	03/26/15	528.19	127.84	400.35	0.23	2nd 2015
KV-3*	07/13/15	528.19	128.74	399.45	-0.90	3rd 2015
KV-3*	**10/15/15**	**528.19**	**127.48**	**400.71**	**-1.26**	**4th 2015**
KV-4*	01/05/11	527.69	172.84	354.85	0.00	1st 2011
KV-4*	02/09/11	527.69	172.75	354.94	-0.09	1st 2011
KV-4*	04/13/11	527.69	171.87	355.82	0.88	2nd 2011
KV-4*	07/19/11	527.69	171.13	356.56	0.74	3rd 2011
KV-4*	10/18/11	527.69	169.87	357.82	1.26	4th 2011
KV-4*	02/09/12	527.69	170.49	357.20	-0.62	1st 2012
KV-4*	05/31/12	527.69	170.09	357.60	0.40	2nd 2012
KV-4*	08/15/12	527.69	170.04	357.65	0.05	3rd 2012
KV-4*	10/23/12	527.69	169.63	358.06	0.41	4th 2012
KV-4*	01/09/13	527.69	106.25	421.44	63.38	1st 2013
KV-4*	03/11/13	527.69	169.50	358.19	-63.25	2nd 2013
KV-4*	07/10/13	527.69	109.31	418.38	60.19	3rd 2013
KV-4*	10/10/13	527.69	177.03	350.66	-67.72	4th 2013
KV-4*	01/23/14	527.69	174.73	352.96	2.30	1st 2014
KV-4*	03/13/14	527.69	175.90	351.79	-1.17	2nd 2014
KV-4*	07/01/14	527.69	175.38	352.31	0.52	3rd 2014
KV-4*	09/17/14	527.69	175.62	352.07	-0.24	4th 2014
KV-4*	12/17/14	527.69	175.46	352.23	0.16	1st 2015
KV-4*	03/26/15	527.69	175.02	352.67	0.44	2nd 2015
KV-4*	07/13/15	527.69	175.47	352.22	-0.45	3rd 2015
KV-4*	**10/15/15**	**527.69**	**172.62**	**355.07**	**-2.85**	**4th 2015**
KV-5	01/23/14	517.49	118.50	398.99	0.00	1st 2014
KV-5	03/13/14	517.49	118.26	399.23	0.24	2nd 2014
KV-5	07/01/14	517.49	118.32	399.17	-0.06	3rd 2014
KV-5	09/17/14	517.49	118.46	399.03	-0.14	4th 2014
KV-5	12/17/14	517.49	118.43	399.06	0.03	1st 2015
KV-5	03/26/15	517.49	118.26	399.23	0.17	2nd 2015
KV-5	07/13/15	517.49	118.53	398.96	-0.27	3rd 2015
KV-5	**10/15/15**	**517.49**	**118.21**	**399.28**	**-0.32**	**4th 2015**
KV-6	01/23/14	516.85	122.02	394.83	0.00	1st 2014
KV-6	03/13/14	516.85	122.30	394.55	-0.28	2nd 2014
KV-6	07/01/14	516.85	122.41	394.44	-0.11	3rd 2014

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Monitoring Well	Date	TOC Elevation (feet msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)	Change from Previous Measurement (ft)	Quarter
KV-6	09/17/14	516.85	122.60	394.25	-0.19	4th 2014
KV-6	12/17/14	516.85	123.14	393.71	-0.54	1st 2015
KV-6	03/26/15	516.85	122.74	394.11	0.40	2nd 2015
KV-6	07/13/15	516.85	122.73	394.12	0.01	3rd 2015
KV-6	**10/15/15**	**515.85**	**123.25**	**392.60**	**1.52**	**4th 2015**
KV-7	01/23/14	517.84	109.48	408.36	0.00	1st 2014
KV-7	03/13/14	517.84	109.63	408.21	-0.15	2nd 2014
KV-7	07/01/14	517.84	109.53	408.31	0.10	3rd 2014
KV-7	09/17/14	517.84	110.19	407.65	-0.66	4th 2014
KV-7	12/17/14	517.84	110.11	407.73	0.08	1st 2015
KV-7	05/08/15	517.84	109.83	408.01	0.28	2nd 2015
KV-7	07/13/15	517.84	110.35	407.49	-0.52	3rd 2015
KV-7	**10/15/15**	**517.84**	**110.05**	**407.79**	**-0.30**	**4th 2015**
KV-8	01/23/14	524.29	171.28	353.01	0.00	1st 2014
KV-8	03/13/14	524.29	171.80	352.49	-0.52	2nd 2014
KV-8	07/01/14	524.29	172.27	352.02	-0.47	3rd 2014
KV-8	09/17/14	524.29	172.53	351.76	-0.26	4th 2014
KV-8	12/17/14	524.29	172.25	352.04	0.28	1st 2015
KV-8	03/26/15	524.29	172.06	352.23	0.19	2nd 2015
KV-8	07/13/15	524.29	173.09	351.20	-1.03	3rd 2015
KV-8	**10/15/15**	**524.29**	**171.97**	**352.32**	**-1.12**	**4th 2015**
KV-9	01/23/14	522.17	134.16	388.01	0.00	1st 2014
KV-9	03/13/14	522.17	134.53	387.64	-0.37	2nd 2014
KV-9	07/01/14	522.17	134.96	387.21	-0.43	3rd 2014
KV-9	09/17/14	522.17	135.07	387.10	-0.11	4th 2014
KV-9	12/17/14	522.17	---	---	---	1st 2015
KV-9	05/08/15	522.17	135.91	386.26	-0.84	2nd 2015
KV-9	07/13/15	522.17	135.26	386.91	0.65	3rd 2015
KV-9	**10/05/15**	**522.17**	**136.33**	**385.84**	**1.07**	**4th 2015**
EX-1	01/23/14	470.89	120.39	350.50	0.00	1st 2014
EX-1	03/13/14	470.89	120.93	349.96	-0.54	2nd 2014
EX-1	07/03/14	470.89	121.68	349.21	-0.75	3rd 2014
EX-1	09/17/14	470.89	122.03	348.86	-0.35	4th 2014
EX-1	12/17/14	470.89	121.80	349.09	0.23	1st 2015
EX-1	03/26/15	470.89	122.07	348.82	-0.27	2nd 2015
EX-1	07/13/15	470.89	122.35	348.54	-0.28	3rd 2015
EX-1	**10/15/15**	**470.69**	**121.43**	**349.26**	**-0.72**	**4th 2015**

Notes:

ft = feet
ft amsl = feet above mean sea level
ft btoc = feet below top of casing
--- unable to gauge water level
TOC top of casing
DRY well casing is dry
* Surveyed / Re-surveyed by Muir Consulting on 12/10/10

Table 2
Results of Laboratory Analyses for Selected Purgeable Halocarbons
Watkins-Johnson Superfund Site
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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
KV-1 -180	1/5/2011	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1 -180	02/09/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1 -180	04/13/11	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1 -180	07/19/11	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1 -180	10/18/11	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1 -180	02/09/12	12	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1 -180	05/31/12	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	08/15/12	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1 -180	10/23/12	2	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	01/09/13	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	03/11/13	1.9	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
KV-1 -180	07/10/13	2	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-1-180	10/10/13	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	01/23/14	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1.1	<0.5	<0.5	<0.5
KV-1-180	03/13/14	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	07/01/14	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	09/17/14	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	12/17/14	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	03/26/15	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	07/13/15	3	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-1-180	**10/15/15**	**3.3**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
KV-2 -180	01/05/11	35	0.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2 -180	02/09/11	22	1.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	02/09/11	21	1.0	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	04/13/11	39	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	04/13/11	40	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	07/19/11	53	1.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	07/19/11	51	1.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	10/18/11	48	1.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	10/18/11	50	1.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	02/09/12	23	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	02/09/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	05/31/12	58	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	05/31/12	60	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	08/15/12	51	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	08/15/12	56	1.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	10/23/12	67	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	10/23/12	63	2.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	01/09/13	58	2.0	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	01/09/13	59	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	03/11/13	58	1.8	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
KV-2-180	07/10/13	27	1.1	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	07/10/13	28	1.1	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	---
KV-2-180	10/10/13	32	1.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	10/10/13	32	1.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	01/23/14	30	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	01/23/14	30	0.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	03/13/14	27	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	03/13/14	21	0.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	07/01/14	24	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	07/01/14	23	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	09/17/14	20	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	09/17/14	21	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-180	12/17/14	22	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	12/17/14	25	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180	03/26/15	26	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	03/26/15	29	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
KV-2-180	07/13/15	20	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180/Dup 2	07/13/15	16	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-180	**10/15/15**	**39**	**1.3**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-2-180/Dup 2	**10/15/15**	**37**	**1.3**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**

Table 2
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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
KV-2-190	02/09/11	11	1.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	04/13/11	19	1.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	07/19/11	27	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	10/18/11	24	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	02/09/12	6.1	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	05/31/12	38	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	08/15/12	22	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	10/23/12	27	1.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	01/09/13	25	2.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-190	03/11/13	23	2.0	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
KV-2-190/Dup 2	03/11/13	24	2.2	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
KV-2-190	07/10/13	12	1.7	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-2-190	10/10/13	15	2.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-190	01/23/14	16	1.8	<0.5	<0.5	<0.5	<0.5	<1.1	<0.5	<0.5	<0.5
KV-2-190	03/13/14	9.9	1.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-190	07/01/14	14	1.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-190	09/17/14	11	1.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-190	12/17/14	13	1.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-190	03/26/15	13	1.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
KV-2-190	07/13/15	16	1.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-190	**10/15/15**	**5.7**	**2.4**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
KV-2-200	01/05/11	3.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	02/09/11	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	04/13/11	5.9	1.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	07/19/11	8.1	2.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	10/18/11	8.0	2.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	02/09/12	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	05/31/12	12	2.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	08/15/12	9.8	2.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	10/23/12	10	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	01/09/13	11	2.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-2-200	03/11/13	11	2.4	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
KV-2-200	07/10/13	7.4	2.4	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-2-200	10/10/13	8.6	2.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-200	01/23/14	8	2.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-200	03/13/14	4.7	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-200	07/01/14	6.5	2.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-200	09/17/14	5.1	2.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-200	12/17/14	5.0	2.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-200	03/26/15	5.6	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
KV-2-200	07/13/15	4.8	2.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-2-200	**10/15/15**	**15.0**	**1.7**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
KV-3-172	11/17/10	<0.5	1.2	<0.5	<0.5	0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	01/05/11	0.7	1.0	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	02/17/11	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	04/13/11	1.0	1.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	07/19/11	1.1	1.8	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	10/18/11	1.0	1.8	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	02/09/12	1.2	1.7	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	05/31/12	1.6	1.8	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	08/15/12	0.9	1.7	<0.5	<0.5	0.8	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	10/23/12	1.2	2.0	<0.5	<0.5	1.0	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	01/09/13	1.1	1.9	<0.5	<0.5	0.9	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	03/11/13	0.9	1.7	<0.5	<0.5	0.8	<1.0	<2.0	<0.5	<0.5	<0.5
KV-3-172	07/10/13	0.7	1.7	<0.5	<0.5	0.9	<0.5	<1.0	<0.5	<0.5	<0.5
KV-3-172	10/10/13	0.9	1.9	<0.5	<0.5	0.9	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	01/23/14	1.1	1.6	<0.5	<0.5	0.9	<0.5	<5.0	<0.5	<0.5	0.5
KV-3-172	03/13/14	0.9	1.6	<0.5	<0.5	0.8	<0.5	<5.0	<0.5	<0.5	0.5
KV-3-172	07/01/14	<0.5	2.4	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	09/17/14	1.1	1.7	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	12/17/14	1.2	1.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5

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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
KV-3-172	03/26/15	1.3	1.0	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	07/13/15	1.2	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-172	**10/15/15**	**1.3**	**0.9**	**<0.5**	**<0.5**	**0.6**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
KV-3-182	11/17/10	<0.5	1.2	<0.5	<0.5	0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-182	01/05/11	0.5	0.9	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	02/17/11	<0.5	1.4	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	04/13/11	1.1	1.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	07/19/11	1.2	1.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	10/18/11	1.0	1.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	02/09/12	1.2	1.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	05/31/12	1.6	1.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	08/15/12	1.0	1.6	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	10/23/12	1.1	1.7	<0.5	<0.5	0.8	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	01/09/13	1.3	1.7	<0.5	<0.5	0.8	<0.5	<5.0	<0.5	<0.5	---
KV-3-182	03/11/13	1.0	1.7	<0.5	<0.5	0.8	<1.0	<2.0	<0.5	<0.5	<0.5
KV-3-182	07/10/13	0.6	1.4	<0.5	<0.5	0.7	<0.5	<1.0	<0.5	<0.5	0.6
KV-3-182	10/10/13	1.1	1.9	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	1.7
KV-3-182	01/23/14	1.1	1.7	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	1.6
KV-3-182	03/13/14	0.9	1.5	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	1.0
KV-3-182	07/01/14	0.9	1.5	<0.5	<0.5	0.6	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-182	09/17/14	0.9	1.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-182	12/17/14	1.2	1.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-182	03/26/15	1.3	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
KV-3-182	07/13/15	1.2	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-3-182	**10/15/15**	**1**	**0.7**	**<0.5**	**<0.5**	**0.8**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
KV-4-185	01/05/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185 / Dup 1	01/05/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
KV-4-185	02/09/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	04/13/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	07/19/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	10/18/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	02/09/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	05/31/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	08/15/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	10/23/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	01/09/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	03/11/13	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
KV-4-185	07/10/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-4-185	10/10/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	01/23/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	03/13/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	07/01/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	09/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	12/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	03/26/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	07/13/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-4-185	**10/15/15**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-5-126	01/23/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-5-126	03/13/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-5-126	07/01/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-5-126	09/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5
KV-5-126	12/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5
KV-5-126	03/26/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5
KV-5-126	07/13/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-5-126	**10/15/15**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-6-125	01/23/14	63	3.3	<0.5	<0.5	1.3	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-125	03/13/14	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-125	07/01/14	68	3.5	<0.5	<0.5	1.3	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-125	09/17/14	64	3.6	<0.5	<0.5	0.8	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-125	12/17/14	62	2.6	<0.5	<0.5	0.5	<0.5	<5.0	<0.5	<0.5	<0.5

Table 2
Results of Laboratory Analyses for Selected Purgeable Halocarbons
Watkins-Johnson Superfund Site
Scotts Valley, California
USEPA Fourth Quarter 2015 Monitoring Report

Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
KV-6-125	03/26/15	62	3.1	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-125	07/13/15	65	3.2	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-125	**10/15/15**	**64**	**3.6**	**<0.5**	**<0.5**	**0.7**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-6-133	01/23/14	38	3.6	<0.5	<0.5	1.0	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-133	03/13/14	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-133	07/01/14	63	4.0	<0.5	<0.5	1.2	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-133	09/17/14	54	3.6	<0.5	<0.5	1.0	<0.5	<2.0	<0.5	<0.5	<0.5
KV-6-133	12/17/14	61	2.8	<0.5	<0.5	0.6	<0.5	<2.0	<0.5	<0.5	<0.5
KV-6-133	03/26/15	57	3.0	<0.5	<0.5	0.7	<0.5	<2.0	<0.5	<0.5	--
KV-6-133	07/13/15	69	3.0	<0.5	<0.5	0.7	<0.5	<5.0	<0.5	<0.5	<0.5
KV-6-133	**10/15/15**	**65**	**3.6**	**<0.5**	**<0.5**	**0.7**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-7-115	01/23/14	73	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-115	03/13/14	---	---	---	---	---	---	---	---	---	---
KV-7-115	07/01/14	67	0.6	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-7-115	09/17/14	77	0.9	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-7-115	12/17/14	97	0.9	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-7-115	05/08/15	88	1.0	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-115	07/13/15	92	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-115	**10/15/15**	**78**	**1.2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-7-125	01/23/14	31	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-125	03/13/14	49	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-125	07/01/14	48	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-7-125	09/17/14	42	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-7-125	12/17/14	51	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
KV-7-125	05/08/15	61	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-125	07/13/15	52	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-125	**101/15/15**	**35**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-7-136	01/23/14	27	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-136	03/13/14	22	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-136	07/01/14	31	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-136	09/17/14	29	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-136	12/17/14	32	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-136	05/08/15	37	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-136	07/13/15	32	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-7-136	**10/15/15**	**62**	**0.8**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-8-174	01/23/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-174	03/13/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-174	07/01/14	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-174	09/17/14	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-174	12/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-174	03/26/15	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-174	07/13/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-174	**10/15/15**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-8-185	01/23/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-185	03/13/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-185	07/01/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-185	09/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-185	12/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-185	03/26/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
KV-8-185	07/13/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-185	**10/15/15**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-8-195	01/23/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-195	03/13/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-195	07/01/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-195	09/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-195	12/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-8-195	03/26/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
KV-8-195	07/13/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5

Table 2

Results of Laboratory Analyses for Selected Purgeable Halocarbons

Watkins-Johnson Superfund Site

Scotts Valley, California

USEPA Fourth Quarter 2015 Monitoring Report

Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
KV-8-195	**10/15/15**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-9-138	01/23/14	13	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-138	03/13/14	20	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-138	07/01/14	25	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-138	09/17/14	23	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-138	12/17/14	--	--	--	--	--	--	--	--	--	--
KV-9-138	05/08/15	31	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-138	07/13/15	36	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-138	**10/15/15**	**45**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
KV-9-148	01/23/14	12	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-148	03/13/14	17	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-148	07/01/14	25	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-148	09/17/14	23	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-148	12/17/14	--	--	--	--	--	--	--	--	--	--
KV-9-148	05/08/15	33	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-148	07/13/15	35	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
KV-9-148	**10/15/15**	**49**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
EX-1-125	01/23/14	12	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-125	03/13/14	13	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-125	07/03/14	11	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-125	09/17/14	6.4	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-125	12/17/14	9.8	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-125	03/26/15	8.6	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-125	07/13/15	8.1	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-125	**10/15/15**	**23**	**0.7**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
EX-1-145	01/23/14	19	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-145	03/13/14	30	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-145	07/03/14	31	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-145	09/17/14	29	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-145	12/17/14	32	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-145	03/26/15	27	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
EX-1-145	07/13/15	22	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
EX-1-145	**10/15/15**	**25**	**0.7**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
Wescosa Well	11/17/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	02/09/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	04/13/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	07/19/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	10/18/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	02/09/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	05/31/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	08/15/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	10/23/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	01/09/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	03/11/13	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
Wescosa Well	07/10/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	10/10/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	01/23/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	03/13/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	07/01/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	09/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	12/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	03/26/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Wescosa Well	07/13/15	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
Wescosa Well	**10/15/15**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
WJ-11	01/03/85	---	<1	---	---	<1	---	---	---	---	---
WJ-11	08/02/86	0.03	<0.01	---	---	---	---	---	---	---	---
WJ-11	11/26/86	<1	<1	---	---	---	---	---	---	---	---
WJ-11	12/10/86	<1	<1	---	---	---	---	---	---	---	---

Table 2
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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
WJ-11	01/07/87	<1	<1	---	---	---	---	---	---	---	---
WJ-11	01/29/87	<0.5	<0.5	---	---	---	---	---	---	---	---
WJ-11	05/23/87	<0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-11	08/26/87	<0.5	<0.5	---	---	---	---	---	---	---	---
WJ-11	09/11/91	<0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-11	03/03/92	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-11	12/08/92	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-11	06/14/93	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-11	11/18/05	7.2	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-11	02/06/06	8.4	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-11	04/24/06	16	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-11	02/02/07	8.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
WJ-11	12/19/08	9.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	02/20/09	23	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	03/20/09	16	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	04/21/09	16	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	05/20/09	15	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	02/23/10	20	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	05/12/10	2.1	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	08/19/10	2.0	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-11	11/17/10	13.0	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	02/09/11	11.0	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	04/13/11	26.0	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	07/19/11	20.0	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	10/18/11	25	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	02/09/12	21	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	05/31/12	11	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	08/15/12	42	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	10/23/12	43	0.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	01/09/13	42	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	03/11/13	37	0.7	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
WJ-11	07/10/13	12	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
WJ-11	10/10/13	26	0.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	01/23/14	38	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	03/13/14	30	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	07/03/14	27	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	09/17/14	21	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	12/17/14	17	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	03/26/15	16	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	07/13/15	13	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-11	**10/15/15**	**24**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
WJ-25A	07/03/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-25A	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
WJ-25A	12/19/08	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-25A	02/20/09	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-25A	03/20/09	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-25A	04/21/09	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-25A	05/20/09	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-26	06/15/96	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	1.9	0.6	0.6	---
WJ-26	06/02/99	<0.5	1.1	0.5	<0.5	<0.5	<0.5	5.1	1.1	1	---
WJ-26	12/13/99	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	---
WJ-26	06/16/00	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	1.9	0.6	0.6	---
WJ-26	12/15/00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.58	<0.500	<0.500	---
WJ-26	06/11/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-26	06/11/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-26	01/31/02	<0.50	0.52	<0.50	<0.50	<0.50	<0.50	2.2	<0.50	<0.50	---
WJ-26	06/27/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	1.1	<0.40	<0.50	---
WJ-26	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	<0.50	<0.50	<0.50
WJ-29A	06/14/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-29A	06/02/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---

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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
WJ-29A	12/13/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-29A	06/15/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-29A	12/15/00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-29A	06/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-29A	01/31/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-29A	06/25/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-29A	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
WJ-37 (perched)	10/20/2009[2]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	05/25/87	<0.5	---	---	---	---	---	---	---	---	---
WJ-37A	08/24/87	<0.5	<0.5	---	---	---	---	---	---	---	---
WJ-37A	11/17/87	<0.5	<0.5	---	---	---	---	---	---	---	---
WJ-37A	03/10/88	<1	---	---	---	---	---	---	---	---	---
WJ-37A	06/19/88	<1	---	---	---	---	---	---	---	---	---
WJ-37A	09/15/88	<1	---	---	---	---	---	---	---	---	---
WJ-37A	06/22/89	---	<0.5	---	---	---	---	---	---	---	---
WJ-37A	09/02/89	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/20/90	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	09/18/90	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	09/12/91	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	03/04/92	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	09/15/92	0.73	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	12/08/92	ND	ND	---	---	---	---	---	---	---	---
WJ-37A	12/10/92	<0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/14/93	ND	ND	---	---	---	---	---	---	---	---
WJ-37A	06/16/93	<0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	12/14/93	0.5	ND	---	---	---	---	---	---	---	---
WJ-37A	12/15/93	0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/15/94	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	12/20/94	ND	ND	---	---	---	---	---	---	---	---
WJ-37A	12/22/94	<0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/05/95	ND	ND	---	---	---	---	---	---	---	---
WJ-37A	06/07/95	<0.5	0.8	---	---	<0.5	---	---	---	---	---
WJ-37A	12/27/95	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/12/96	<0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/18/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-37A	12/16/96	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/23/97	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/22/98	<0.5	<0.5	---	---	---	---	---	---	---	---
WJ-37A	06/24/98	<0.5	<0.5	---	---	<0.5	---	---	---	---	---
WJ-37A	06/01/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
WJ-37A	06/19/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-37A	06/06/01	0.63	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-37A	06/27/02	0.63	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-37A	11/18/05	1.8	<0.5	<0.5	<0.5	<0.5	<1.0	2.4	<0.5	<0.5	---
WJ-37A	02/06/06	1	<0.5	<0.5	<0.5	<0.5	<1.0	0.9	<0.5	<0.5	---
WJ-37A	04/24/06	2.1	<0.5	<0.5	<0.5	<0.5	<1.0	1.4	<0.5	<0.5	---
WJ-37A	02/02/07	0.97	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
WJ-37A	12/19/08	22	6.4	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	02/20/09	42	6.4	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	03/20/09	25	9.3	<0.5	<0.5	0.6	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	04/21/09	23	6.4	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	05/20/09	17	3.7	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	02/23/10	20	0.7	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	05/12/10	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	08/19/10	22	0.9	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-37A	11/17/10	25	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	02/09/11	20	1.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	04/13/11	26	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	07/19/11	31	1.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	10/18/11	22	1.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	02/09/12	31	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5

Table 2
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Watkins-Johnson Superfund Site
Scotts Valley, California
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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
WJ-37A	05/31/12	28	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	08/15/12	27	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	10/23/12	23	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	01/09/13	23	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	03/11/13	20	0.8	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
WJ-37A	07/10/13	19	1.2	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
WJ-37A	10/16/13	25	1.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	01/23/14	23	0.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	03/03/14	19	0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	07/02/14	16	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	09/17/14	17	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	12/17/14	19	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	03/26/15	16	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	07/13/15	14	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-37A	**10/15/15**	**16**	**0.9**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
WJ-41	06/15/88	<1.0	<1.0	---	---	---	---	---	---	---	---
WJ-41	09/13/88	<1.0	<1.0	---	---	---	---	---	---	---	---
WJ-41	11/30/88	<0.5	<0.5	---	---	---	---	---	---	---	---
WJ-41	06/21/89	---	<0.5	---	---	---	---	---	---	---	---
WJ-41	12/11/90	---	<0.5	---	<0.5	---	<0.5	---	<0.5	<0.5	---
WJ-41	03/12/91	---	<0.5	---	---	---	---	---	---	---	---
WJ-41	05/14/91	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-41	06/26/91	---	<0.5	---	<0.5	<0.5	<0.5	---	<0.5	<0.5	---
WJ-41	12/09/91	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-41	03/03/92	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-41	09/15/92	---	<0.5	ND	ND	<0.5	ND	---	ND	ND	---
WJ-41	06/14/94	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-41	06/07/95	---	0.8	ND	ND	<0.5	ND	ND	ND	ND	---
WJ-41	06/13/96	<0.5	4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	09/25/96	---	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	12/17/96	---	0.8	---	---	<0.5	---	---	---	---	---
WJ-41	06/26/97	---	3.3	---	---	<0.5	---	---	---	---	---
WJ-41	12/15/97	1.8	11	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
WJ-41	03/12/98	1.2	6.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	06/22/98	0.9	4.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	12/14/98	---	7.2	---	---	<0.5	---	---	---	---	---
WJ-41	03/17/99	1.3	7.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	03/17/99	1.1	6.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	06/01/99	1.6	8.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
WJ-41	06/01/99	1.7	9.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
WJ-41	10/15/99	2.09	9.72	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	10/15/99	2.16	9.54	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	12/18/99	4.1	18.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	03/08/00	1.31	6.84	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	03/08/00	1.36	6.56	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	05/05/00	1.82	9.24	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	06/14/00	3	15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	07/21/00	1.64	7.81	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	09/28/00	3.4	16.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	10/26/00	4.1	20.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---
WJ-41	11/28/00	2.8	13.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---
WJ-41	12/15/00	3.43	17	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	12/15/00	3.37	17	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	01/17/01	4.37	22.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	02/09/01	2.79	21.6	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	04/30/01	4.23	13.2	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	05/15/01	2.43	17.4	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-41	06/12/01	0.89	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	07/31/01	2.2	12	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-41	07/31/01	2.4	13	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-41	08/30/01	2.8	6.2	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-41	09/20/01	2.4	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---

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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
WJ-41	10/25/01	2.4	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	11/21/01	2.8	14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	01/31/02	5	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	01/31/02	5	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	03/27/02	<0.50	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	05/10/02	1.9	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	07/02/02	0.54	2.2	<0.10	<0.50	<0.50	<0.50	<1.0	<0.40	<0.50	---
WJ-41	09/24/02	0.56	2.3	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	11/24/02	0.79	2.7	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	12/26/02	0.65	2.3	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	01/31/03	1.4	7.4	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	01/31/03	1.4	7.4	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	05/13/03	2	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-41	08/14/03	4.8	33	<0.10	<0.5	<0.5	<0.5	<0.5	<0.4	<0.5	---
WJ-41	11/19/03	3.9	21	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	11/19/03	2.8	15	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	11/19/03	2.7	15	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50
WJ-41	12/30/03	2.9	14	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	12/30/03	1.2	2.8	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	12/30/03	0.99	2.6	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	01/28/04	1.1	4.9	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	01/28/04	0.94	3.2	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	01/28/04	0.84	2.9	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	01/28/04	0.96	3.4	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	01/28/04	0.6	2.4	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	02/25/04	1.4	9.6	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	02/25/04	0.8	2.4	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	02/25/04	0.7	2.2	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	02/25/04	0.59	2.3	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	03/25/04	1.7	14	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	03/25/04	0.53	2	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	03/25/04	0.61	2.2	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	03/25/04	0.52	1.9	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	05/11/04	3	14	<0.10	<0.20	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	08/03/04	2.8	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	08/03/04	2.6	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	11/02/04	4.5	19	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	---
WJ-41	11/02/04	3.9	22	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-41	02/10/05	3.6	19	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	05/03/05	3.1	16	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	05/03/05	2.6	16	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	08/05/05	2.9	19	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	08/05/05	3	18	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	11/18/05	1.1	14	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	11/18/05	0.9	13	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	02/06/06	1.5	11	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	02/06/06	1.6	12	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	04/24/06	2.3	14	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	08/03/06	3.2	17	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	08/03/06	3.4	17	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	11/03/06	3.2	16	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-41	02/02/07	4	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
WJ-41/Dup 1	02/02/07	3.7	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
WJ-41	05/01/07	1.4	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-41	08/15/07	3.7	18	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50
WJ-41	11/13/07	3.5	14	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---
WJ-41/Dup 1	11/13/07	3.5	14	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---
WJ-41	02/12/08	3.0	12	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	02/12/08	3.3	12	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-41	05/13/08	2.5	11	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	05/13/08	2.7	12	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-41	08/05/08	2.7	10	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---

Table 2
Results of Laboratory Analyses for Selected Purgeable Halocarbons
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Scotts Valley, California
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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
WJ-41/Dup 1	08/05/08	2.4	11	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-41	12/19/08	<0.5	5.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	12/19/08	0.5	5.9	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41	02/20/09	1.1	5.6	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	02/20/09	1.2	5.8	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-41	03/20/09	0.7	6.4	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	03/20/09	0.7	6.4	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41	04/21/09	1.5	8.2	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	04/21/09	1.4	8.2	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41	05/20/09	1.3	8.7	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	05/20/09	1.3	8.8	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41	08/06/09	1.7	6.9	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	08/06/09	1.8	7	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41	10/20/09	0.7	1.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	10/20/09	0.6	1.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	02/23/10	0.8	2.1	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41	05/12/10	2.0	8.9	<0.5	<0.5	<0.5	<0.5	<5.1	<0.5	<0.5	---
WJ-41	08/19/10	2.8	9.8	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41/Dup 1	08/19/10	3.2	11	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-41	11/17/10	2.1	6.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	11/17/10	2.4	6.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	02/09/11	1.6	6.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	02/09/11	1.6	6.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	04/13/11	0.7	2.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	04/13/11	0.8	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	07/19/11	2.0	5.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	10/18/11	1.4	3.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	10/18/11	1.6	3.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	02/09/12	1.8	3.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	02/09/12	1.7	3.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	05/31/12	1.9	4.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	05/31/12	1.9	4.4	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	08/15/12	1.2	3.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	08/15/12	1.2	3.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	10/23/12	0.9	1.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	10/23/12	0.9	1.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	01/09/13	1.4	3.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	01/09/13	1.4	3.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	03/11/13	0.7	1.8	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	03/11/13	0.7	1.8	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
WJ-41	07/10/13	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	07/10/13	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
WJ-41	10/10/13	0.7	2.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	10/10/13	0.9	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	01/23/14	0.6	0.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	01/23/14	0.6	0.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	03/13/14	0.7	2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	03/13/14	0.7	1.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	07/01/14	0.7	1.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	07/01/14	0.6	1.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	09/17/14	0.6	1.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	09/17/14	0.5	1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	12/17/14	0.9	2.3	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	12/17/14	0.9	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	03/26/15	1.1	2.1	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	03/26/15	1	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	--
WJ-41	07/13/15	0.9	1.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41/Dup 1	07/13/15	1	1.8	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-41	**10/15/15**	**0.8**	**1.8**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
WJ-41/Dup 1	**10/15/15**	**0.8**	**1.8**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
WJ-43	06/14/88	<1.0	<1.0	---	---	---	---	---	---	---	---
WJ-43	09/14/88	<1.0	<1.0	---	---	---	---	---	---	---	---

Table 2
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Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
WJ-43	09/14/88	<1.0	<1.0	---	---	---	---	---	---	---	---
WJ-43	03/29/89	---	<0.12	<0.13	---	---	<0.5	<0.5	<0.03	<0.02	---
WJ-43	06/22/89	---	<0.5	<0.5	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
WJ-43	06/22/89	<0.5	<0.5	---	---	---	---	---	---	---	---
WJ-43	09/21/89	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-43	12/13/89	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-43	03/20/90	---	<0.5	---	<0.5	<0.5	---	---	---	<0.5	---
WJ-43	12/11/90	---	<0.5	---	<0.5	<0.5	<0.5	---	<0.5	<0.5	---
WJ-43	03/12/91	---	<0.5	---	---	---	---	---	---	---	---
WJ-43	06/25/91	---	<0.5	---	<0.5	<1.0	<0.5	---	<0.5	<0.5	---
WJ-43	12/09/91	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-43	06/16/92	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-43	12/08/92	---	<0.5	ND	ND	<0.5	ND	---	ND	ND	---
WJ-43	06/15/93	---	<0.5	ND	---	<0.5	ND	ND	ND	0.59	---
WJ-43	06/14/94	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-43	06/06/95	---	<0.5	ND	ND	<0.5	ND	ND	ND	ND	---
WJ-43	06/10/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-43	06/24/97	---	<0.5	---	---	<0.5	---	---	---	---	---
WJ-43	06/23/98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-43	06/02/99	2.70	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
WJ-43	06/19/00	5.90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-43	06/07/01	8.00	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-43	05/09/02	4.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-43	06/26/02	9.80	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	01/31/03	6.00	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	05/13/03	5.90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-43	05/13/03	5.80	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-43	08/14/03	5.40	<0.5	<0.10	<0.5	<0.5	<0.5	<0.5	<0.4	<0.5	---
WJ-43	11/19/03	5.30	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	11/19/03	4.70	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	12/30/03	4.60	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	12/30/03	5.90	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	01/28/04	6.10	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	01/28/04	7.10	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	01/28/04	7.00	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	01/28/04	5.20	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	02/25/04	8.80	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	02/25/04	7.80	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	02/25/04	6.10	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	03/25/04	8.90	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	03/25/04	8.90	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	03/25/04	9.20	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	05/11/04	10.00	<0.50	<0.10	<0.20	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	08/03/04	13.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-43	11/02/04	8.60	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-43	02/10/05	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-43	05/03/05	25	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	08/05/05	29	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	11/18/05	23	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-43	02/06/06	21	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-43	04/24/06	34	0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-43	04/24/06	33	0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-43	08/03/06	46	0.6	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-43	11/03/06	31	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
WJ-43	02/02/07	25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
WJ-43	05/01/07	28	0.9	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-43/Dup	05/01/07	31	0.9	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
WJ-43	08/15/07	45	1.0	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50
WJ-43/Dup	08/15/07	44	0.8	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50
WJ-43	11/13/07	24	<0.5	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---
WJ-43	02/12/08	20	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-43	05/13/08	30	0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---

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Watkins-Johnson Superfund Site
Scotts Valley, California
USEPA Fourth Quarter 2015 Monitoring Report

Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
WJ-43	08/05/08	35	0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
WJ-43	12/19/08	17	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-43	02/20/09	21	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-43	03/20/09	12	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-43	04/21/09	11	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-43	05/20/09	12	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-43	08/06/09	13	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-43	10/20/09	18	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	02/23/10	20	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	---
WJ-43	05/12/10	30	0.6	<0.5	<0.5	<0.5	<1.1	<2.0	<0.5	<0.5	---
WJ-43	08/19/10	36	0.5	<0.5	<0.5	<0.5	<1.1	<2.0	<0.5	<0.5	---
WJ-43	11/17/10	34	0.6	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	02/09/11	31	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	04/13/11	27	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	07/19/11	30	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	10/18/11	23	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	02/09/12	52	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	05/31/12	36	0.9	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	08/15/12	31	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	10/23/12	24	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	01/09/13	27	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	03/11/13	34	0.8	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
WJ-43	07/10/13	31	0.7	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
WJ-43	10/16/13	27	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	01/23/14	20	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	03/13/14	17	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	07/03/14	17	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	09/17/14	15	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	12/17/14	19	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	03/26/15	18	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	07/13/15	15	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
WJ-43	**10/15/15**	**19**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**
WJ-48	06/14/96	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	3.7	<0.5	<0.5	---
WJ-48	06/02/99	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
WJ-48	12/18/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-48	06/15/00	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	3.7	<0.5	<0.5	---
WJ-48	12/14/00	<0.500	0.724	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
WJ-48	06/07/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-48	01/31/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-48	06/27/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	1.5	<0.40	<0.50	---
WJ-48	06/27/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	1.3	<0.40	<0.50	---
WJ-48	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.78	<0.50	<0.50	<0.50
WJ-48	02/23/10	<0.50	<0.50	<0.90	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
WJ-49	06/18/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-49	06/02/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
WJ-49	06/19/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
WJ-49	06/08/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
WJ-49	07/01/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
WJ-49	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SUPPLY WELL	03/30/89	<0.03	0.61	---	---	---	---	---	---	---	---
SUPPLY WELL	06/28/89	<0.5	29	---	---	---	---	---	---	---	---
SUPPLY WELL	09/20/89	<0.5	<0.5	---	---	---	---	---	---	---	---
SUPPLY WELL	02/06/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
SUPPLY WELL	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
SUPPLY WELL	02/23/10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
AP-3N	06/12/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
AP-3N	06/26/97	---	<0.5	---	---	---	---	---	---	---	---
AP-3N	03/12/98	<0.5	<0.5	---	---	---	---	---	---	---	---
AP-3N	06/22/98	<0.5	<0.5	---	---	---	---	---	---	---	---
AP-3N	03/17/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---

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Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
AP-3N	06/01/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
AP-3N	10/15/99	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
AP-3N	12/18/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
AP-3N	03/08/00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
AP-3N	06/13/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
AP-3N	09/28/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
AP-3N	12/15/00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
AP-3N	04/30/01	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
AP-3N	06/11/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
AP-3N	09/20/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
AP-3N	01/31/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
AP-3N	05/09/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
AP-3N	07/02/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
AP-3N	09/26/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
AP-3N	04/24/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
AP-3N	02/02/07	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BC-6	05/11/04	<0.50	<0.50	<0.10	<0.20	<0.50	<0.50	<0.50	<0.40	<0.50	---
BC-6	08/19/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BC-6	11/02/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
BC-6	02/10/05	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BC-6	05/03/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
BC-6	08/05/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
BC-6	11/18/05	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-6	02/06/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-6	04/24/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-6	08/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-6	11/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-6	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
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BC-7	05/11/04	<0.50	<0.50	<0.10	<0.20	<0.50	<0.50	<0.50	<0.40	<0.50	---
BC-7	08/19/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BC-7	11/02/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
BC-7	02/10/05	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BC-7	05/03/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
BC-7	08/05/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
BC-7	11/18/05	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-7	02/06/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-7	04/24/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-7	08/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-7	11/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BC-7	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BCDP	05/11/04	<0.50	<0.50	<0.10	<0.20	<0.50	<0.50	<0.50	<0.40	<0.50	---
BCDP	08/19/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BCDP	11/02/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
BCDP	02/10/05	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
BCDP	05/03/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
BCDP	08/05/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
BCDP	11/18/05	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BCDP	02/06/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BCDP	04/24/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BCDP	08/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BCDP	11/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
BCDP	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
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OB-1	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
OB-1	02/23/10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
OB-2	02/23/10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
OB-3	06/15/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
OB-3	06/02/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
OB-3	06/16/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
OB-3	06/08/01	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	---
OB-3	07/03/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---

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Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
OB-3	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
RA-1	12/19/08	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-1	02/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-1	03/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-1	04/21/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-1	05/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-2	12/19/08[1]	---	---	---	---	---	---	---	---	---	---
RA-2	02/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	2.9	<0.50	<0.50	---
RA-2	03/20/09	<0.50	4.2	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-2	04/21/09	0.5	4.4	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-2	05/20/09	0.5	<0.50	<0.50	<0.50	<0.50	<1.0	4.7	<0.50	<0.50	---
RA-3	12/19/08	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-3	02/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-3	03/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-3	04/21/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-3	05/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-4	12/19/08	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-4	02/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-4	03/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-4	04/21/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
RA-4	05/20/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
SVWD-9	05/13/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---
SVWD-9M	05/13/08	6.3	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---
Field Blank	05/09/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
Field Blank	09/24/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Field Blank	11/19/03	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Field Blank	12/30/03	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Field Blank	01/28/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Field Blank	02/25/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Field Blank	03/25/04	<0.50	<0.50	<0.10	<0.50	<0.50	0.52	<0.50	<0.40	<0.50	---
Field Blank	05/11/04	<0.50	<0.50	<0.10	<0.20	<0.50	0.59	<0.50	<0.40	<0.50	---
Field Blank	08/05/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
Field Blank	11/13/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	---
Trip Blank	06/11/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
Trip Blank	09/28/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---
Trip Blank	12/14/00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	---
Trip Blank	03/27/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
Trip Blank	07/03/02	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Trip Blank	11/19/03	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Trip Blank	12/30/03	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Trip Blank	01/28/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Trip Blank	02/25/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Trip Blank	03/25/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Trip Blank	05/11/04	<0.50	<0.50	<0.10	<0.20	<0.50	0.57	<0.50	<0.40	<0.50	---
Trip Blank	08/03/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
Trip Blank	08/19/04	<0.50	<0.50	<0.10	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	---
Trip Blank	02/10/05	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
Trip Blank	05/03/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
Trip Blank	08/05/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	---
Trip Blank	11/18/05	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
Trip Blank	02/06/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
Trip Blank	04/24/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
Trip Blank	08/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
Trip Blank	11/03/06	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	---
Trip Blank	02/02/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
Trip Blank	05/01/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
Trip Blank	08/15/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50
Trip Blank	11/13/07	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---
Trip Blank	02/12/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---

Table 2

Results of Laboratory Analyses for Selected Purgeable Halocarbons

Watkins-Johnson Superfund Site

Scotts Valley, California

USEPA Fourth Quarter 2015 Monitoring Report

Regional Monitoring Well	Sample Date	PCE µg/L	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	cis-1,2-DCE µg/L	CFM µg/L	Freon 113 µg/L	1,1,1-TCA µg/L	1,1,2-TCA µg/L	MTBE µg/L
Treatment Standard		**5**	**5**	**6**	**5**	**6**	**100**	**---**	**200**	**32**	**---**
Trip Blank	05/13/08	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<0.50	---
Trip Blank	08/06/09	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
Trip Blank	10/20/09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	02/23/10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
Trip Blank	08/19/10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
Trip Blank	11/17/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	02/09/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	04/13/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	07/19/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	10/18/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	02/09/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	08/15/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	10/23/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	01/09/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	03/11/13	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<0.5	<0.5	<0.5
Trip Blank	07/10/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Trip Blank	10/10/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	10/16/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	01/23/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	03/13/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	07/01/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	09/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	12/17/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	03/26/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
Trip Blank	07/13/15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
PDB Blank	08/19/10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50	---
PDB Blank	11/17/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5

Notes:

1 RA-2 sample collected from TS-IN of the GWETS for the December 19, 2008 event. Refer to Table 3 for GWETS analytical results.

2 WJ-37 sample from October 20, 2009 was a pre-purging grab sample as the well contained only 5 to 6 inches of water and did not recharge following purging.

3 Wescosa Well is located located on an adjacent property and owned by a separate party. The sample is collected from a spigot.

4 Wells are sampled using PDB bags. MTBE results from KV-2 at 190 and 200 feet, KV-3 at 182 feet, KV-6 at 133 feet, KV-7 at 125 and 136 feet, KV-8 at 185 and 195 feet, KV-9 at 148 and EX-1 at 145 feet bgs are from PDBs. All other MTBE results are from grab MTBE groundwater samples collected using a bailer after PDB samples are collected.

5 Selected analytes presented on table are site specific COCs. A full list of VOC analytes and sample results are presented in the laboratory reports.

Analyses performed by Sequoia Analytical, Morgan Hill, California prior to 5-3-05.
Beginning 5-3-05, analyses performed by Curtis & Tompkins Ltd., Berkeley, California.

February 2, 2007 analyses performed by BC Laboratories, Inc. in Bakersfield, California.

Selected purgeable halocarbons analyzed by United States Environmental Protection Agency (USEPA) Method 8260B.

PCE	tetrachloroethene
TCE	trichloroethene
1,1-DCE	1,1-dichloroethene
1,1-DCA	1,1-dichloroethane
cis-1,2-DCE	cis-1,2-dichloroethene
CFM	chloroform
1,1,1-TCA	1,1,1-trichloroethane
1,1,2-TCA	1,1,2-trichloroethane
MTBE	methyl tertiary-butyl ether
µg/L	micrograms per liter
NA	not analyzed
PDB	passive diffusion bag
VOCs	Volatile Organic Compounds
COCs	Chemicals of Concern
<	Symbol indicates not detected at or above laboratory detection limit as noted.
---	data not available
J	Laboratory qualifier = estimated value.
bgs	below ground surface

Dup	Duplicate sample.
a	sample collected from PDB set at 198 feet btoc
b	sample collected from PDB set at 183.5 feet btoc
c	sample collected from PDB set at 191 feet btoc
d	sample collected from PDB set at 166 feet btoc
e	sample collected from PDB set at 130 feet btoc
f	sample collected from PDB set at 148 feet btoc

Table 3
Results of Laboratory Analyses for Volatile Organic Compounds in the Treatment System Samples

Watkins-Johnson Superfund Site

Scotts Valley, California

USEPA Fourth Quarter 2015 Monitoring Report

Sample Identification	Sampling Location	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Cloride	Freon 113 (µg/L)	1,1,1-TCA (µg/L)	Chromium (µg/L)	Hexavalent Chromium (µg/L)	Nickel (µg/L)
Permit Limits for Effluent Water			**0.8**	**2.7**	**6**	**10**	**0.5**		**200**	**50**	**10**	**52**
TS-IN	**Treatment System Influent Water**	09/18/15	**1.7**	**0.7**	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	**3.1**	<5.0
		10/16/15	<0.05	**1.0**	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	**2.7**	**5.1**
		11/13/15	**5.4**	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	**3.5**	<5.0
TS-MID	**Water Between LPGAC Vessels**	09/18/15	09/18/15	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	**1.3**
		10/16/15	<0.05	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	<0.5	**5.1**
		11/13/15	<0.05	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	**5.5**	**4.2**	<0.5
TS-OUT	**Treatment System Effluent Water**	09/18/15	09/18/15	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	<0.50
		10/16/15	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	<0.50	<5.0
		11/13/15	<0.05	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<5.0	**0.52**	<5.0

Notes:

Detected values shown in bold.

Analysis performed using United States Environmental Protection Agency (USEPA) Method 8260B.

Analyses performed by Curtis & Tompkins Ltd., Berkeley, California.

--- Not Analyzed.

TS-IN	Treatment System Influent Water		
TS-MID	Water between LPGAC vessels	LPGAC	Liquid phase granular activated carbon
TS-OUT	Treatment System Effluent Water	PCE	Tetrachloroethene
1,1,1-TCA	1,1,1-Trichloroethane	TCE	Trichloroethene
MTBE	methyl tertiary butyl ether	µg/L	Micrograms per liter
cis-1,2-DCE	cis-1,2-Dichloroethene	<	Symbol indicates not detected at or above the laboratory reporting limit as noted.

Table 4
Summary of Groundwater Extraction, Usage, and Discharge to Bean Creek

Watkins-Johnson Superfund Site

Scotts Valley, California

USEPA Fourth Quarter 2015 Monitoring Report

Month	Notes	Groundwater Extracted (gallons)	Treated Water Reused by Facility[1] (gallons)	Treated Water Discharged to Bean Creek (gallons)	Perched Zone Infiltration[2]
Fourth Quarter 2015					
Sep-15	3	1,809,204	0	1,809,204	0
Oct-15	3	1,855,027	0	1,855,027	0
Nov-15	3	1,277,574	0	1,277,574	0
3rd Quarter 2015 Total		**4,941,805**	**0**	**4,941,805**	**0**

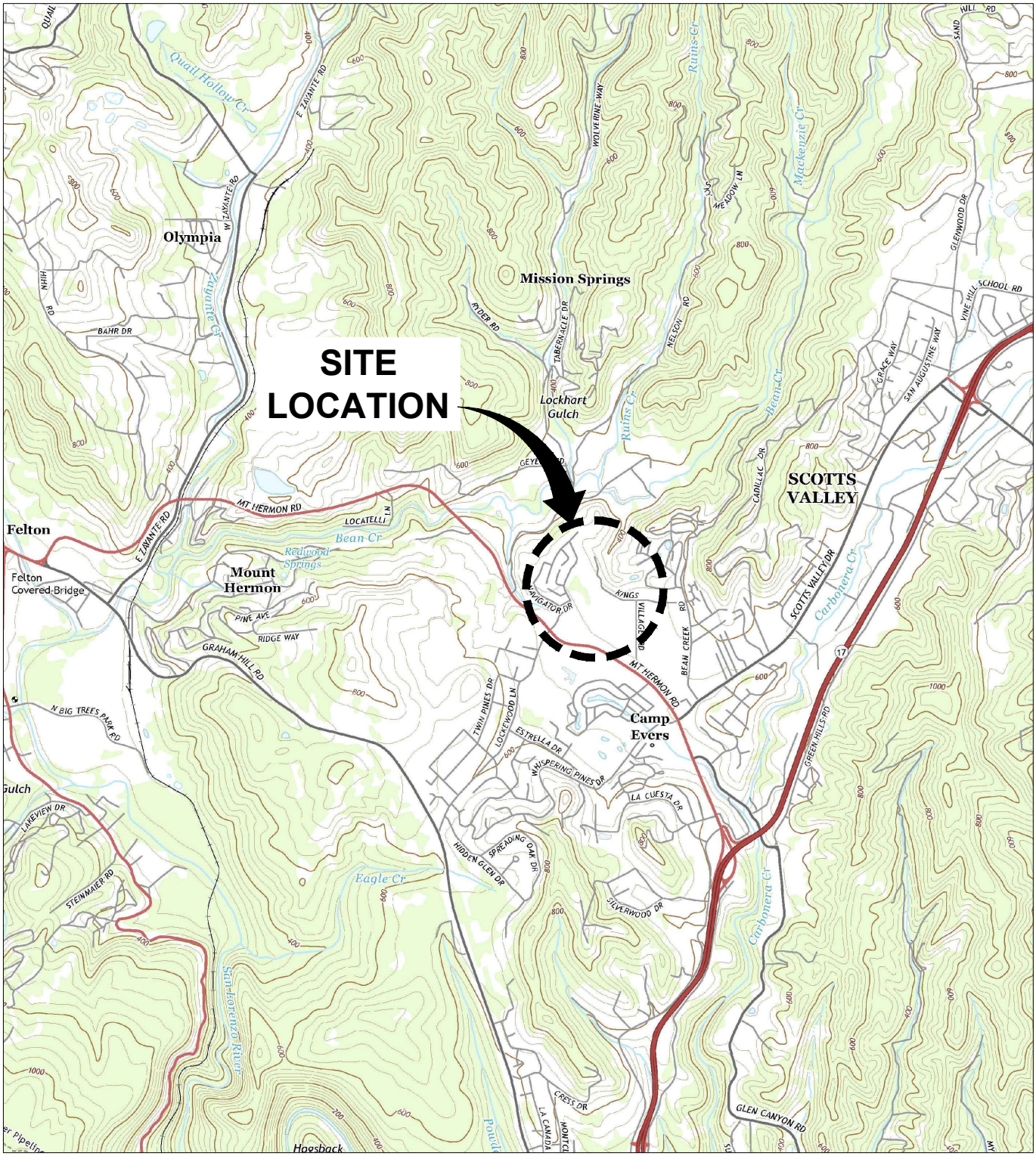
Notes:

1 Following December 2008 system shutdown, facility no longer reuses treated water.

2 The groundwater infiltration system has been shut off since May 2000.

3 Total monthly volumes were estimated based on average daily flow rates between site visits on September 18, October 16, and November 13, 2015.

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., FELTON, CALIFORNIA, 2015.

0 3000' 6000'

Approximate Scale: 1 inch = 3000 feet

FORMER WATKINS-JOHNSON COMPANY SITE
440 KINGS VILLAGE ROAD
SCOTTS VALLEY, CALIFORNIA
USEPA FOURTH QUARTER 2015 MONITORING REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\IRC000463\0112\NA215\4Q15\DWG\IRC463N01.dwg LAYOUT: 1 SAVED: 12/20/2015 2:52 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 12/20/2015 2:53 PM BY: HARRIS, JESSICA
XREFS: IMAGES: Felton 2015.jpg PROJECTNAME: ---

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: M. WASILEWSKI D. AKENS, J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\RC000463\0112\NA215\4Q15\DWG\RC463W01.dwg LAYOUT: 2 SAVED: 12/20/2015 3:07 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 12/22/2015 2:39 PM BY: HARRIS, JESSICA

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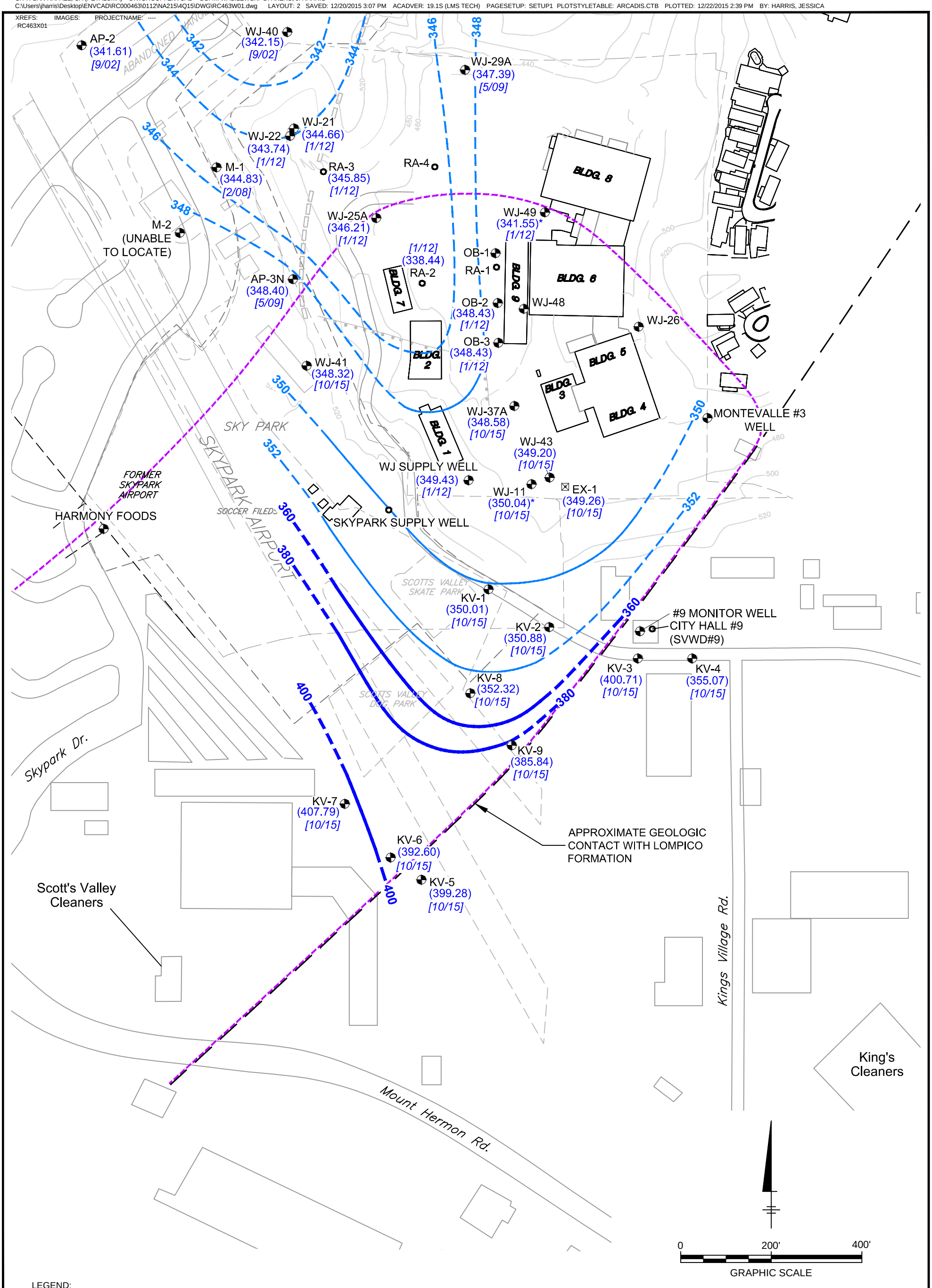
RC463X01



LEGEND:

KV-1/WJ-43	REGIONAL ZONE MONITORING WELL
EX-1	ONSITE EXTRACTION WELL
RA-2	EXTRACTION WELL
	PARCEL BOUNDARY
	EXTRACTION WELL RA-2 CAPTURE ZONE
(350.88)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
[10/15]	DATE OF MOST RECENT GROUNDWATER ELEVATION (FT AMSL)
	GROUNDWATER ELEVATION CONTOUR WITH 2-FOOT INCREMENTS
	GROUNDWATER ELEVATION CONTOUR WITH 20-FOOT INCREMENTS
*	NOT USED IN CONTOURING

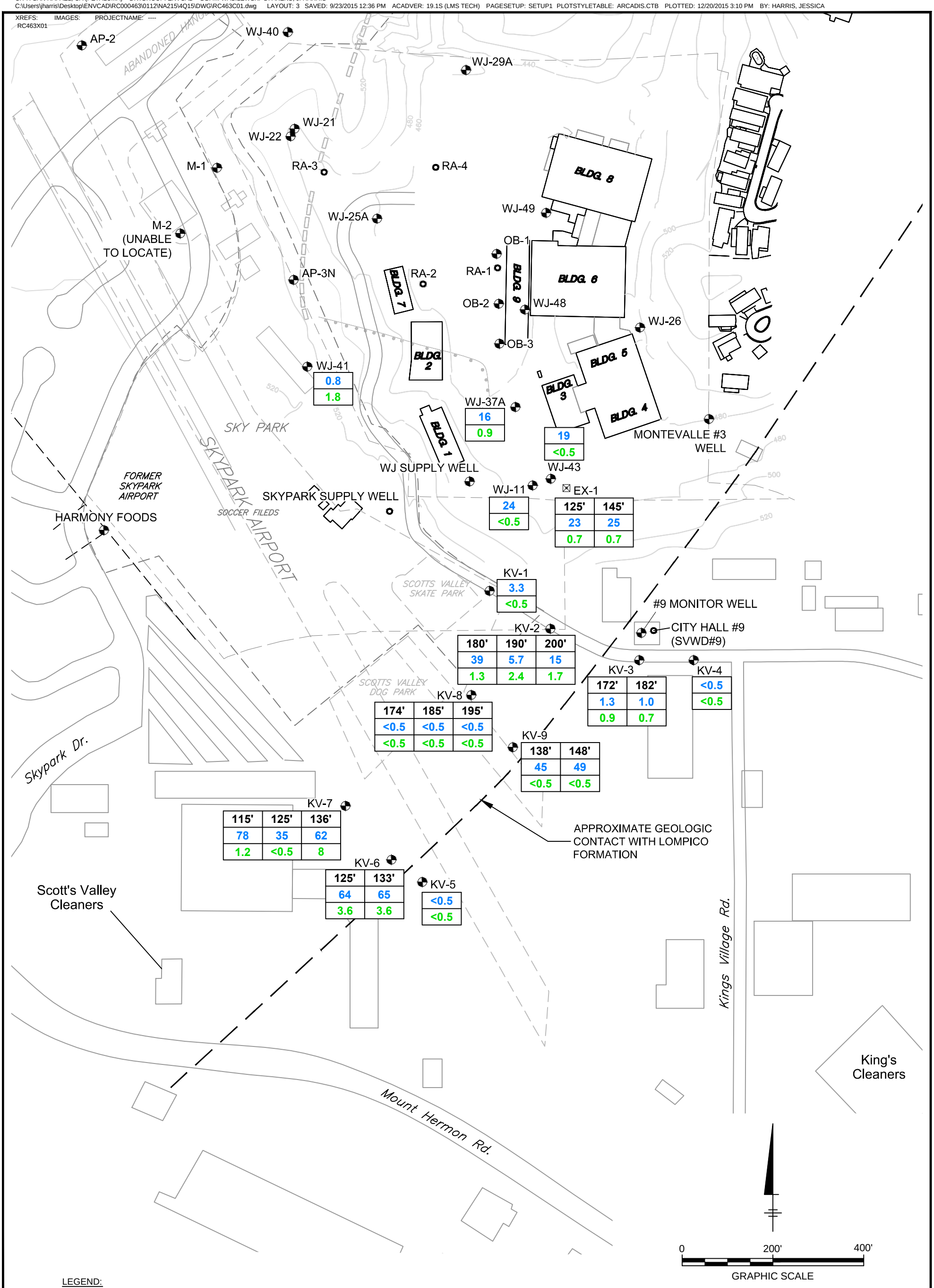
FORMER WATKINS-JOHNSON COMPANY SITE
440 KINGS VILLAGE ROAD
SCOTTS VALLEY, CALIFORNIA
USEPA FOURTH QUARTER 2015 MONITORING REPORT

GROUNDWATER ELEVATION CONTOUR MAP - OCTOBER 2015 SANTA MARGARITA FORMATION

ARCADIS

FIGURE
2

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: M. WASILEWSKI D. AKENS, J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\RC000463\0112\NA215\4Q15\DWG\RC463C01.dwg LAYOUT: 3 SAVED: 9/23/2015 12:36 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 12/20/2015 3:10 PM BY: HARRIS, JESSICA
XREFS: IMAGES: PROJECTNAME: ----
RC463X01



LEGEND:

KV-1/WJ-43	REGIONAL ZONE MONITORING WELL
EX-1	ONSITE EXTRACTION WELL
RA-2	EXTRACTION WELL
— — —	PARCEL BOUNDARY

125'	133'	DEPTH OF PDB PLACEMENT (FT BGS); (WHERE APPLICABLE)
64	65	PCE CONCENTRATION (µg/L)
3.6	3.6	TCE CONCENTRATION (µg/L)

PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
µg/L	MICROGRAMS PER LITER
PDB	PASSIVE DIFFUSION BAG
FT BGS	FEET BELOW GROUND SURFACE
<	NOT DETECTED ABOVE LABORATORY REPORTING LIMIT SHOWN

FORMER WATKINS-JOHNSON COMPANY SITE
440 KINGS VILLAGE ROAD
SCOTTS VALLEY, CALIFORNIA
USEPA FOURTH QUARTER 2015 MONITORING REPORT

GROUNDWATER ANALYTICAL RESULTS PCE AND TCE (OCTOBER 2015)

ARCADIS

FIGURE
3

Appendix A

Data Validation Report

Site: Watkins-Johnson Superfund Site
440 Kings Village Road
Analyzing Lab: Curtis & Tompkins, Ltd.
Reviewer: Dennis Dyke
Date: December 24, 2015
Data Validation Report #: 24798

Sample Delivery Groups (SDGs): 270742 and 270743
42 Water Samples
Volatile Organic Compounds (VOCs) by SW-846 Method 8260B

QA/QC Data Review Summary

I. Introduction

The following water samples were collected and submitted to Curtis & Tompkins, Ltd. Analytical Laboratories in Berkeley, California (C&T) for analysis of the analytes listed in the header using United States Environmental Protection Agency (USEPA) analytical methods.

SDG	Sample ID	Lab ID	Sample Date	Duplicate Location
270742	KV-1 (GRAB)	270742-001	10/15/2015	
	KV-2 (GRAB)	270742-002	10/15/2015	
	KV-3 (GRAB)	270742-003	10/15/2015	
	KV-4 (GRAB)	270742-004	10/15/2015	
	WESCOSA (GRAB)	270742-005	10/15/2015	
	KV-9 (GRAB)	270742-006	10/15/2015	
	KV-7 (GRAB)	270742-007	10/15/2015	
	KV-6 (GRAB)	270742-008	10/15/2015	
	KV-5 (GRAB)	270742-009	10/15/2015	
	KV-8 (GRAB)	270742-010	10/15/2015	
	WJ-11 (GRAB)	270742-011	10/15/2015	
	EX-01 (GRAB)	270742-012	10/15/2015	
	WJ-43 (GRAB)	270742-013	10/15/2015	
	WJ-37A (GRAB)	270742-014	10/15/2015	
	WJ-41 (GRAB)	270742-015	10/16/2015	
270743	KV-1 @ 180	270743-001	10/15/2015	
	KV-2 @ 180	270743-002	10/15/2015	
	KV-2 @ 190	270743-003	10/15/2015	
	KV-2 @ 200	270743-004	10/15/2015	
	DUP2	270743-005	10/15/2015	KV-2 @ 180
	KV-3 @ 172	270743-006	10/15/2015	
	KV-3 @ 182	270743-007	10/15/2015	
	KV-4 @ 185	270743-008	10/15/2015	
	WESCOSA	270743-009	10/15/2015	
	KV-9 @ 138	270743-010	10/15/2015	
	KV-9 @ 148	270743-011	10/15/2015	
	KV-7 @ 115	270743-012	10/15/2015	
	KV-7 @ 125	270743-013	10/15/2015	
	KV-7 @ 136	270743-014	10/15/2015	
	KV-6 @ 125	270743-015	10/15/2015	
	KV-6 @ 133	270743-016	10/15/2015	
	KV-5 @ 126	270743-017	10/15/2015	
	KV-8 @ 174	270743-018	10/15/2015	
	KV-8 @ 185	270743-019	10/15/2015	

SDG	Sample ID	Lab ID	Sample Date	Duplicate Location
270743	KV-8 @ 195	270743-020	10/15/2015	
	WJ-11	270743-021	10/15/2015	
	EX-01 @ 125	270743-022	10/15/2015	
	EX-01 @ 145	270743-023	10/15/2015	
	WJ-43	270743-024	10/15/2015	
	WJ-37A	270743-025	10/15/2015	
	WJ-41	270743-026	10/16/2015	
	DUP1	270743-027	10/16/2015	WJ-41

This document was prepared in accordance with USEPA documents *Contract Laboratory Program National Functional Guidelines for Organic Data Review* (1999) and the *Quality Assurance Project Plan (QAPP) for Remedial Design/Remedial Action, Watkins-Johnson Company, Scotts Valley, California,* April 12, 1993.

II. Validity

A. Results are valid for the project purposes, subject to the comments in Section III.

III. Comments

A. Holding Times: The EPA-recommended holding time was met for all sample analyses.

B. Reporting Limits: No dilutions were required; the reporting limits are adequate for assessments.

C. Surrogates: All surrogate recoveries were within the QC acceptance limits.

D. LCS/LCSD/MS/MSD: All laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses met the QC acceptance criteria; the MS/MSD analysis was not performed on a sample location from within these SDGs.

E. Blanks: Target analytes were not detected in any of the associated laboratory method blanks or trip blanks.

F. Field Duplicates: The field duplicate samples exhibited relative percent differences (RPDs) within the EPA Region-Nine control limit of 25% with one exception: the RPD between the 2-butanone (MEK) results for WJ-41 and DUP1 was 32%. Therefore, the 2-butanone results for WJ-41 and DUP1 were qualified as estimated.

G. Other: Integration sheets, chromatograms, and reference scans are produced to positively identify compounds reported above quantitation limits for samples designated as laboratory quality control samples. These data were not reviewed, but are retained by the laboratories.

H. Conclusion: Other than those discussed above, the quality control criteria were met and all data are considered usable as qualified. No sample results were qualified as unusable. Values qualified as estimated ("J") are considered usable with qualification to indicate quantitative uncertainty with the results. Based upon the data review, all other results are considered valid and usable without qualification. For this batch of samples analyses, the completeness (100%) goal is met.

Summary of Validation Qualifiers

Sample ID	Analyte	Result	Units	Qualifier	Reason(s)
WJ-41	2-Butanone	76	µg/L	J	Field duplicate RPD > CL
DUP1	2-Butanone	55	µg/L	J	Field duplicate RPD > CL

Appendix B

Groundwater Sampling Field Forms

SVG
Watkins-Johnson Superfund Facility
Scotts Valley, CA

Date & Time: 10/16/15 @ 0930
Technician: H. Tausher
Weather: overcast, muggy
Ambient Temperature: 70's

Reviewed By: _____ Date: _____

System Status	ON	OFF	Alarm	Comments
Operational Status	X			
Well RA-2	X			

System Components	Value	Units	Normal	Comments
Influent Pressure From Well	—	PSI	25	
RA-2 Flow	—	GPM	90	
Position of Throttle Valve	—	% Open	100	
Carbon Vessels				
Influent Temperature	—	Celsius	~16	
Mid Pressure	—	PSI		
Out Pressure	—	PSI		
System Totals				
System Totalizer	172988 upon arrival	Gallons	173405 @ sampling	
Building Tank Supply	19683.00	Gallons		
Timer Settings				
Run Start Time	0200-1245	HHMM	~~700~~	
Run Time Duration	10.5	Hrs	~~9.5~~	
Electrical Meter				
Electrical Meter Reading		KWH		

Inspections	Yes	No	Comments
High/High Alarm Checked?	X		RA-2 stops, yellow light spins
Samples taken?	X		
Any Leaks in Piping or Tanks?		X	
Creek Inspected?	X		

Health and Safety Equipment	Yes	No	Comments
Fire Extinguisher(s) Checked?	X		Date of exp:
Eye-Wash in Truck?	X		Date of exp:
First-Aid Kit in Truck?	X		

Maintenance Performed	Yes	No	Date
Pumps Greased		X	

Additional Comments/Maintenance Performed

PSI @ influent is 50
Had to reset the extraction well RA2 and run the system for 1/2 hour before sampling. There may have been a power outage or power surge that caused RA-2 to trip or shut off.

ARCADIS

Document Control Number:TGM - _____

TGM + *project number plus date as follows: xxxxxxxx.xxxx.xxxxx - dd/mm/year*

TAILGATE HEALTH & SAFETY MEETING FORM

This form documents the tailgate meeting conducted in accordance with the Project HASP. Personnel who perform work operations on-site during the day are required to attend this meeting and to acknowledge their attendance, at least daily.

Project Name: SVG AVIZA			Project Location: Kings Village Road Scotts Valley, CA
Date: 10/15/15	Time:	Conducted by: Heather Tauscher	Signature/Title: [signature]
Client: SVG AVIZA		Client Contact:	Subcontractor companies: Statewide Traffic Control

TRACKing the Tailgate Meeting

Think through the Tasks (list the tasks for the day):

1 Set up traffic control
2 monitor wells
3 sample wells
4 remove traffic control
5
6

Other Hazardous Activities - Check the box if there are any other ARCADIS, Client or other party activities that may pose hazards to ARCADIS operations ☐ If there are none, write "None" here: None

If yes, describe them here: _____

How will they be controlled? _____

Prework Authorization - check activities to be conducted that require permit issuance or completion of a checklist or similar before work begins.

	Doc #		Doc #		Doc #
☒ Not applicable		☐ Working at Height		☐ Confined Space	
☐ Energy Isolation (LOTO)		☐ Excavation/Trenching		☐ Hot Work	
☐ Mechanical Lifting Ops		☐ Overhead & Buried Utilities		☐ Other permit	

Discuss following questions (for some review previous day's post activities). **Check if yes** :

		☐ Topics from Corp H&S to cover?
☐ Incidents from day before to review?	☐ Lessons learned from the day before?	☐ Any Stop Work Interventions yesterday?
☐ Any corrective actions from yesterday?	☐ Will any work deviate from plan?	☐ If deviations, notify PM & client
☒ JLAs or procedures are available?	☐ Field teams to "dirty" JLAs, as needed?	☒ All equipment checked & OK?
☒ Staff has appropriate PPE?	☒ Staff knows Emergency Plan (EAP)?	☒ Staff knows gathering points?

Comments: _____

Recognize the hazards (check all those that are discussed) (Examples are provided) and **A**ssess the Risks (Low, Medium, High - circle risk level) - Provide an overall assessment of hazards to be encountered today and briefly list them under the hazard category.

☒ Gravity (i.e., ladder, scaffold, trips) (L M H) slips, trips & falls	☒ Motion (i.e., traffic, moving water) (L M H) pedestrian & Motor Traffic	☐ Mechanical (i.e., augers, motors) (L M H)
☐ Electrical (i.e., utilities, lightning) (L M H)	☒ Pressure (i.e., gas cylinders, wells) (L M H) turn head when opening	☒ Environment (i.e., heat, cold, ice) (L M H) hydrate, layer clothing
☒ Chemical (i.e., fuel, acid, paint) (L M H) wear nitriles	☒ Biological (i.e., ticks, poison ivy) (L M H) use tools for removal	☒ Radiation (i.e., alpha, sun, laser) (L M H) wear sunscreen
☐ Sound (i.e., machinery, generators) (L M H)	☒ Personal (i.e. alone, night, not fit) (L M H) stay aware of surroundings	☒ Driving (i.e. car, ATV, boat, dozer) (L M H) smith system

Continue TRACK Process on Page 2

RECORD OF WATER LEVEL MEASUREMENTS

Date: 10- 15 -15

Tools used (circle one): Interface Probe DTW Meter

Project Name: **SVG**

Job No.: **RC000463.0112.NA215**

Location: **Scotts Valley, CA**

ARCADIS Personnel: **H. Tauscher**

Well Number	Time Measured	Depth to Product (DTP) (feet)	Depth to Water (DTW) (feet)	Depth to Bottom (DTB) (feet)	Product Thickness = DTW - DTP (feet)	Remarks:
WJ-11	1549	N/A	120.18	129.79	N/A	
WJ-37A	1707		116.07	168.29		
WJ-41	10/16/15 0842		175.33	199.11		
WJ-43	1649		120.99	167.88		
KV-1	0935		176.50	199.32		
KV-2	1009		176.82	218.30		
KV-3	1044		127.48	198.93		
KV-4	1111		172.62	203.75		
KV-5	1429		118.21	138.00		
KV-6	1357		123.25	143.82		

ARCADIS

RECORD OF WATER LEVEL MEASUREMENTS

Date: 10-15-15

Tools used (circle one): Interface Probe DTW Meter

Project Name: **SVG**

Job No.: **RC000463.0112.NA215**

Location: **Scotts Valley, CA**

ARCADIS Personnel: **H. Tauscher**

Well Number	Time Measured	Depth to Product (DTP) (feet)	Depth to Water (DTW) (feet)	Depth to Bottom (DTB) (feet)	Product Thickness = DTW - DTP (feet)	Remarks:
KV-7	1253	N/A	110.05	142.89	N/A	
KV-8	1503	↓	171.97	202.51	↓	
KV-9	1219	↓	136.33	169.25	↓	
EX-01	1607	↓	121.43	170.50	↓	

ARCADIS

Standard Observation Data Sheet
NPDES Quarterly Monitoring
SVG, Scotts Valley

Name of Technician Heather Tauscher
Date 10/16/15
Event 4Q15
Location DC-7

Receiving Water X Effluent _____

Weather Conditions

Air Temp 70°F Wind Vel. >5
Wind Dir. — Precip. none

Floating/Suspended Material

Present: Yes _____ No X If yes, describe
Source _____
Apparent Size _____

Discoloration and Turbidity

Color _____
Source _____
Size of Affected Area _____

Odor

Present: Yes _____ No X If yes, describe
Source _____
Characterization _____
Distance of Travel _____

Bottom Deposits

Present: Yes _____ No X If yes, describe
Source _____
Apparent Size _____

Visible Films, Sheens, or Coatings

Present: Yes _____ No X If yes, describe
Source _____
Characterization _____
Distance of Travel _____

Fungi, Slimes, or Objectionable Growths

Present: Yes _____ No X If yes, describe
Characterization _____
Distance of Travel _____

Potential Nuisance Conditions

Present: Yes _____ No X If yes, describe
Characterization _____
Distance of Travel _____

Beneficial Use

Any evidence of wildlife, waterfowl, fish, etc. in vicinity of station?
animal tracks, aquatic insects

Standard Observation Data Sheet
NPDES Quarterly Monitoring
SVG, Scotts Valley

Name of Technician Heather Tausher
Date 10/16/15
Event 4Q15 GW
Location BC-6

Receiving Water X Effluent ____

Weather Conditions

Air Temp 70°F Wind Vel. >5
Wind Dir. — Precip. none

Floating/Suspended Material

Present: Yes ____ No X If yes, describe
Source ____
Apparent Size ____

Discoloration and Turbidity

Color clear
Source ____
Size of Affected Area ____

Odor

Present: Yes ____ No X If yes, describe
Source ____
Characterization ____
Distance of Travel ____

Bottom Deposits

Present: Yes ____ No X If yes, describe
Source ____
Apparent Size ____

Visible Films, Sheens, or Coatings

Present: Yes ____ No X If yes, describe
Source ____
Characterization ____
Distance of Travel ____

Fungi, Slimes, or Objectionable Growths

Present: Yes ____ No X If yes, describe
Characterization ____
Distance of Travel ____

Potential Nuisance Conditions

Present: Yes ____ No X If yes, describe
Characterization ____
Distance of Travel ____

Beneficial Use

Any evidence of wildlife, waterfowl, fish, etc. in vicinity of station?
animal tracks, aquatic insects

Standard Observation Data Sheet
NPDES Quarterly Monitoring
SVG, Scotts Valley

Name of Technician Heather Tauscher
Date 10/16/15
Event 4Q15 GW
Location SVG AVIZA Scotts Valley BCDP

Receiving Water _____ Effluent X

Weather Conditions

Air Temp 70°F Wind Vel. >5
Wind Dir. — Precip. none

Floating/Suspended Material

Present: Yes _____ No X If yes, describe
Source _____
Apparent Size _____

Discoloration and Turbidity

Color Clear
Source _____
Size of Affected Area _____

Odor

Present: Yes _____ No X If yes, describe
Source _____
Characterization _____
Distance of Travel _____

Bottom Deposits

Present: Yes _____ No X If yes, describe
Source _____
Apparent Size _____

Visible Films, Sheens, or Coatings

Present: Yes _____ No X If yes, describe
Source _____
Characterization _____
Distance of Travel _____

Fungi, Slimes, or Objectionable Growths

Present: Yes _____ No X If yes, describe
Characterization _____
Distance of Travel _____

Potential Nuisance Conditions

Present: Yes _____ No X If yes, describe
Characterization _____
Distance of Travel _____

Beneficial Use

Any evidence of wildlife, waterfowl, fish, etc. in vicinity of station?
aquatic insects, animal tracks

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-1
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	1
Project Manager:	Kathy Brandt	**Depth to Water:**	176.50
Sampler(s):	H. Tauscher	**Depth to Bottom:**	199.22
Weather:	overcast, muggy, 70'S	**pH:**	7.98
Sample Time Interval:		**Depth to Bag:**	180'
Start:	0930		
Finish:	1005	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:	

PDB REPLACEMENT | X YES | NO

Additional Comments:

@ 180 = 0939

8260B

grab = 0955

MTBE

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-2
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	4
Project Manager:	Kathy Brandt	**Depth to Water:**	176.82
Sampler(s):	H. Tauscher	**Depth to Bottom:**	218.30
Weather:	Overcast, Muggy, 70's	**pH:**	7.03
Sample Time Interval:		**Depth to Bag:**	180', 190', 200'
Start:	1009		
Finish:	1036	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			
PDB 2	See attached table			
PDB 3	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☒ Field Duplicate	DUP2
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments:

@ 180 = 1011
@ 190 = 1016
@ 200 = 1019
Dup 2 @ 180 = 1030
Grab = 1027

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-3
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	2
Project Manager:	Kathy Brandt	**Depth to Water:**	127.48
Sampler(s):	H. Tauscher	**Depth to Bottom:**	198.93
Weather:	Overcast, Muggy, 70's	**pH:**	7.03
Sample Time Interval:		**Depth to Bag:**	172', 182'
Start:	1042		
Finish:	1106	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			
PDB 2	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments:

@ 172 = 1045

@ 182 = 1047

Grab = 1055

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-4
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	1
Project Manager:	Kathy Brandt	**Depth to Water:**	172.62
Sampler(s):	H. Tauscher	**Depth to Bottom:**	203.75
Weather:	overcast, muggy, 80's	**pH:**	7.86
Sample Time Interval:		**Depth to Bag:**	185'
Start:	1109		
Finish:	1127	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT X YES NO

Additional Comments: @ 185 = 1113

grab = 1121

Water Sampling Log

Project Number **RC000463.0112.NA215** Date **10-15-15**

Project Name **SVG** Well Number **Wescosa**

Weather overcast, muggy Sampling Time: Begin — End —

Samplers Name **H. Tauscher**

Evacuation Data

Measuring Point (MP) TOC

Total Sounded Depth of Well Below MP _____ Diameter of Casing _____

Depth to Water Below MP _____ Calculated Gallons Purged Prior to Sampling _____

Water Column in Well _____

Gallons per Foot _____

Gallons in Well _____

Sampling Pump Intake Setting (feet below measuring point) _____

Purge Method:

PVC Bailer ☐ Diaphragm Pump ☐ size _____

Disposable Bailer ☐ Submersible Pump ☐ size _____

Other _____

Field Parameters

Start Time _____

Time	Cumulative Gallons	Temperature °F/°C	Specific Cond. µS/cm	pH	DO	ORP	Other	Color
			x					
			x					
			x					
			x					
			x					
			x					

Sampling

8260B = 1155
GRAB = 1155

Sampling Method spigot

Actual Gallons Purged Prior to Sampling _____

Time _____ Depth to Water _____ Color _____ Other _____

Remarks

Well Casing Volumes (gal/ft)

1 - 1/4" = 0.077 1 - 1/2" = 0.10 2" = 0.16 3" = 0.37 3 1/2 = 0.50 4" = 0.65 6" = 1.46

ARCADIS Geraghty Miller, Inc.

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-9
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	2
Project Manager:	Kathy Brandt	**Depth to Water:**	136.33
Sampler(s):	H. Tauscher	**Depth to Bottom:**	169.25
Weather:	overcast, muggy, 70's	**pH:**	8.12
Sample Time Interval:		**Depth to Bag:**	138', 148'
Start:	1215		
Finish:	1240	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			
PDB 2	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments:

@138 = 1221

@148 = 1225

Grab = 1231

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-7
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	3
Project Manager:	Kathy Brandt	**Depth to Water:**	110.05
Sampler(s):	H. Tauscher	**Depth to Bottom:**	142.89
Weather:	Overcast, Muggy, 80's	**pH:**	7.68
Sample Time Interval:		**Depth to Bag:**	115', 125', 136'
Start:	1250		
Finish:	1323	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			
PDB 2	See attached table			
PDB 3	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments:

@115 = 1257
@125 = 1300
@136 = 1303
grab = 1309

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-6
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	2
Project Manager:	Kathy Brandt	**Depth to Water:**	123.25
Sampler(s):	H. Tauscher	**Depth to Bottom:**	143.82
Weather:	overcast, muggy, 80'S	**pH:**	7.45
Sample Time Interval:		**Depth to Bag:**	125', 133'
Start:	1355		
Finish:	1419	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			
PDB 2	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments:

@ 125 = 1401

@ 133 = 1403

Grab = 1409

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number: RC000463.0112.NA215

Project Name: Scotts Valley

Sampling Event: October 2015 Sampling

Project Manager: Kathy Brandt

Sampler(s): H. Tauscher

Weather: overcast, muggy, 80's

Sample Time Interval:

Start: 1425

Finish: 1445

Sample Date: 10-15-15

Well Name: KV-5

Number of PDB Stations: 1

Depth to Water: 118.21

Depth to Bottom: 138.00

pH: 7.13

Depth to Bag: 126'

Actual Depth to Bag (if different)

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:	

PDB REPLACEMENT X YES NO

Additional Comments: @126 = 1432

Grab = 1439

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	KV-8
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	3
Project Manager:	Kathy Brandt	**Depth to Water:**	171.97
Sampler(s):	H. Tauscher	**Depth to Bottom:**	202.51
Weather:	Overcast, muggy, 80'S	**pH:**	7.68
Sample Time Interval:		**Depth to Bag:**	174', 185', 195'
Start:	1500		
Finish:	1539	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			
PDB 2	See attached table			
PDB 3	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments:

@ 174 = 1513
@ 185 = 1517
@ 195 = 1519
Grab = 1525

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	WJ-11
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	1
Project Manager:	Kathy brandt	**Depth to Water:**	120.18
Sampler(s):	H. Tauscher	**Depth to Bottom:**	129.79
Weather:	overcast, muggy, 80'S	**pH:**	7.89
Sample Time Interval:		**Depth to Bag:**	
Start:	1545		
Finish:	1603	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
□ Field Duplicate	
□ MS/MSD	
□ Field Blank	
□ Equipment Rinse	
□ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments: 826DB = 1551

Grab = 1557

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	EX-01
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	2
Project Manager:	Kathy Brandt	**Depth to Water:**	121.43
Sampler(s):	H. Tauscher	**Depth to Bottom:**	170.50
Weather:	overcast, muggy, 80's	**pH:**	7.94
Sample Time Interval:		**Depth to Bag:**	125', 145'
Start:	1605		
Finish:	1640	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			
PDB 2	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:	

PDB REPLACEMENT X YES NO

Additional Comments:

@125= 1609

@145= 1613

Grab = 1633

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA215	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	WJ-43
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	1
Project Manager:	Kathy Brandt	**Depth to Water:**	120.99
Sampler(s):	H. Tauscher	**Depth to Bottom:**	167.88
Weather:	overcast, muggy, 80's	**pH:**	7.57
Sample Time Interval:		**Depth to Bag:**	
Start:	1645		
Finish:	1701	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments: 8260B = 1651

MTBE (Grab) = 1657

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number:	RC000463.0112.NA214	**Sample Date:**	10- 15 -15
Project Name:	Scotts Valley	**Well Name:**	WJ-37A
Sampling Event:	October 2015 Sampling	**Number of PDB Stations:**	1
Project Manager:	Kathy brandt	**Depth to Water:**	116.07
Sampler(s):	H. Tauscher	**Depth to Bottom:**	168.29
Weather:	overcast, muggy, 80's	**pH:**	7.42
Sample Time Interval:		**Depth to Bag:**	
Start:	1705		
Finish:	1723	**Actual Depth to Bag (if different)**	

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:_____	

PDB REPLACEMENT | X YES | NO

Additional Comments: 8260B = 1709
Grab = 1713

ARCADIS Passive Diffusion Bag (PDB) Groundwater Sampling Form

Project Number: RC000463.0112.NA215

Project Name: Scotts Valley

Sampling Event: October 2015 Sampling

Project Manager: Kathy Brandt

Sampler(s): H. Tauscher

Weather: overcast, cool, 70's

Sample Time Interval:
Start: 0840

Finish: 0910

Sample Date: 10- 16 -15

Well Name: WJ-41

Number of PDB Stations: 1

Depth to Water: 175.33

Depth to Bottom: 199.11

pH: 7.19

Depth to Bag:

Actual Depth to Bag (if different)

PDB SAMPLES

Station	Volume	Preservative	Analysis	Comments
PDB 1	See attached table			

QUALITY CONTROL SAMPLES

Type	Comments
☐ Field Duplicate	
☐ MS/MSD	
☐ Field Blank	
☐ Equipment Rinse	
☐ Other:	

PDB REPLACEMENT | X YES | NO

Additional Comments:

8260B = 0849
DUP1 = 0905
Grab = 0855

Appendix C

Laboratory Analytical Results

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 270743
ANALYTICAL REPORT

Arcadis	Project : RC000463
2000 Powell St	Location : SVG - Scotts Valley
Emeryville, CA 94608	Level : II

Sample ID	Lab ID	Sample ID	Lab ID
KV-1 @ 180	270743-001	KV-6 @ 125	270743-015
KV-2 @ 180	270743-002	KV-6 @ 133	270743-016
KV-2 @ 190	270743-003	KV-5 @ 126	270743-017
KV-2 @ 200	270743-004	KV-8 @ 174	270743-018
DUP2	270743-005	KV-8 @ 185	270743-019
KV-3 @ 172	270743-006	KV-8 @ 195	270743-020
KV-3 @ 182	270743-007	WJ-11	270743-021
KV-4 @ 185	270743-008	EX-01 @ 125	270743-022
WESCOSA	270743-009	EX-01 @ 145	270743-023
KV-9 @ 138	270743-010	WJ-43	270743-024
KV-9 @ 148	270743-011	WJ-37A	270743-025
KV-7 @ 115	270743-012	WJ-41	270743-026
KV-7 @ 125	270743-013	DUP1	270743-027
KV-7 @ 136	270743-014	TRIP BLANK	270743-028

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Mikelle Chong Date: 10/26/2015

Mikelle Chong
Project Manager
mikelle.chong@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**270743**
Client:	**Arcadis**
Project:	**RC000463**
Location:	**SVG - Scotts Valley**
Request Date:	**10/16/15**
Samples Received:	**10/16/15**

This data package contains sample and QC results for twenty seven water samples, requested for the above referenced project on 10/16/15. The samples were received on ice and intact.

Volatile Organics by GC/MS (EPA 8260B):
High surrogate recovery was observed for bromofluorobenzene in the method blank for batch 228542; no target analytes were detected in the sample. No other analytical problems were encountered.

Curtis + Tompkins

ARCADIS
Infrastructure · Water · Environment · Buildings

ID#: 270743

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

Send Results to:

Contact & Company Name: R. Brandt Arcadis
Telephone: file
Address: on file
City State Zip
E-mail Address:

Project Name/Location (City, State): SVG - Scotts Valley CA
Project #: RC000463.0112.NA225
Sampler's Printed Name: Heather Tauscher
Sampler's Signature: Heather Tauscher

	Preservative	Filtered (✓)	# of Containers	Container Information
	HCL		3	VOAs

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil, W - Water, SL - Sludge, SW - Sample Wipe, T - Tissue, A - Air, Other: _____

PARAMETER ANALYSIS & METHOD

	Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	8260B	REMARKS
1	KV-1 @ 180	10/15/15	0939			W	3	
2	KV-2 @ 180	10/15/15	1011			W	3	
3	KV-2 @ 190	10/15/15	1016			W	3	
4	KV-2 @ 200	10/15/15	1019			W	3	
5	DUP2	10/15/15	1030			W	3	
6	KV-3 @ 172	10/15/15	1045			W	3	
7	KV-3 @ 182	10/15/15	1047			W	3	
8	KV-4 @ 185	10/15/15	1113			W	3	
9	WesCosa	10/15/15	1155			W	3	
10	KV-9 @ 138	10/15/15	1221			W	3	
11	KV-9 @ 148	10/15/15	1225			W	3	
12	KV-7 @ 115	10/15/15	1257			W	3	
13	KV-7 @ 125	10/15/15	1300			W	3	
14	KV-7 @ 136	10/15/15	1303			W	3	

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Curtis + Tompkins	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Heather Tauscher	Printed Name: Pat Gonzalez	Printed Name:	Printed Name:
☒ Cooler packed with ice (✓)		Signature: Heather Tauscher	Signature: Pat Gonzalez	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm/Courier: C&T	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 10/16/15 @ 1251	Date/Time: 10/16/15 1251	Date/Time:	Date/Time:

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

ARCADIS
Infrastructure · Water · Environment · Buildings

ID#: 270743

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 2 of 2

Lab Work Order #

Send Results to:

Contact & Company Name: K. Brandt / Arcadis
Telephone: on file
Address:
Fax:
City State Zip
E-mail Address:

Project Name/Location (City, State): SVG - Scotts Valley, CA
Project #: RC000463.0112.NA215
Sampler's Printed Name: Heather Tauscher
Sampler's Signature: Heather Tauscher

Preservative	HCL							
Filtered (✓)								
# of Containers	3							
Container Information	VOAS							

PARAMETER ANALYSIS & METHOD

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil
W - Water, SL - Sludge, SW - Sample Wipe
T - Tissue, A - Air, Other: _____

	Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	8240B	REMARKS
15	KV-6 @ 125	10/15/15	1401			W	3	
16	KV-6 @ ~~14~~ 133	10/15/15	1403			W	3	
17	KV-5 @ 126	10/15/15	1432			W	3	
18	KV-8 @ 174	10/15/15	1513			W	3	
19	KV-8 @ 185	10/15/15	1517			W	3	
20	KV-8 @ 195	10/15/15	1519			W	3	
21	WJ-11	10/15/15	1551			W	3	
22	EX-01 @ 125	10/15/15	1609			W	3	
23	EX-01 @ 145	10/15/15	1613			W	3	
24	WJ-43	10/15/15	1651			W	3	
25	WJ-37A	10/15/15	1709			W	3	
26	WJ-41	10/16/15	0849			W	3	
27	DUP 1	10/16/15	0905			W	3	

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt

Lab Name: Curtis + Tompkins
☒ Cooler packed with ice (✓)
Specify Turnaround Requirements: Standard
Shipping Tracking #:
Cooler Custody Seal (✓): ☐ Intact ☐ Not Intact
Sample Receipt:
Condition/Cooler Temp: _____

Relinquished By	Received By	Relinquished By	Laboratory Received By
Printed Name: Heather Tauscher	Printed Name: Pat Gonzalez	Printed Name:	Printed Name:
Signature: Heather Tauscher	Signature: Pat Gonzalez	Signature:	Signature:
Firm: ARCADIS	Firm/Courier: C&T	Firm/Courier:	Firm:
Date/Time: 10/16/15 @ 1291	Date/Time: 10/16/15 12:51	Date/Time:	Date/Time:

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 270743 Date Received 10/16/15 Number of coolers 1
Client Arcadis Project SVG Scotts Valley

Date Opened 10/16/15 By (print) CN (sign) [signature]
Date Logged in ↓ By (print) SL (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc) ____ YES (NO)
   Shipping info ____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many ____ Name ____ Date ____
2B. Were custody seals intact upon arrival? ____ YES NO (N/A)
3. Were custody papers dry and intact when received? ____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ____ (YES) NO
6. Indicate the packing in cooler: (if other, describe) ____

☐ Bubble Wrap ☒ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 1.9°C

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☒ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ____ YES (NO)
   If YES, what time were they transferred to freezer? ____
9. Did all bottles arrive unbroken/unopened? ____ (YES) NO
10. Are there any missing / extra samples? ____ (YES) NO
11. Are samples in the appropriate containers for indicated tests? ____ (YES) NO
12. Are sample labels present, in good condition and complete? ____ (YES) NO
13. Do the sample labels agree with custody papers? ____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? ____ (YES) NO
15. Are the samples appropriately preserved? ____ YES NO (N/A)
16. Did you check preservatives for all bottles for each sample? ____ YES NO (N/A)
17. Did you document your preservative check? ____ YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? ____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? ____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? ____ (YES) NO ~~(N/A)~~ CN
21. Was the client contacted concerning this sample delivery? ____ YES (NO)
   If YES, Who was called? ____ By ____ Date: ____

COMMENTS

10.) Received 3 extra (Trip Blank) VOAs not listed on the COC. logged in as "HOLD"

Rev 10, 9/12

Curtis & Tompkins, Ltd.

Detections Summary for 270743

Results for any subcontracted analyses are not included in this summary.

Client : Arcadis
Project : RC000463
Location : SVG - Scotts Valley

Client Sample ID : KV-1 @ 180 Laboratory Sample ID : 270743-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	20		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	3.3		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-2 @ 180 Laboratory Sample ID : 270743-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	58		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.3		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	39		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-2 @ 190 Laboratory Sample ID : 270743-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	22		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	2.4		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	5.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-2 @ 200 Laboratory Sample ID : 270743-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	15		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	15		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : DUP2 Laboratory Sample ID : 270743-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	59		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.3		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	37		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Curtis & Tompkins, Ltd.

Client Sample ID : KV-3 @ 172 Laboratory Sample ID : 270743-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	19		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	0.6		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.9		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	1.3		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-3 @ 182 Laboratory Sample ID : 270743-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	36		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	0.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	1.0		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-4 @ 185 Laboratory Sample ID : 270743-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	41		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : WESCOSA Laboratory Sample ID : 270743-009

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	19		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Carbon Disulfide	5.1		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,2-Dichloroethane	23		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-9 @ 138 Laboratory Sample ID : 270743-010

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	74		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	66		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	45		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-9 @ 148 Laboratory Sample ID : 270743-011

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	74		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	73		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	49		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Curtis & Tompkins, Ltd.

Client Sample ID : KV-7 @ 115 Laboratory Sample ID : 270743-012

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	14		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	36		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.2		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	78		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-7 @ 125 Laboratory Sample ID : 270743-013

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	19		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	64		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	35		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-7 @ 136 Laboratory Sample ID : 270743-014

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	33		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	12		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	62		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-6 @ 125 Laboratory Sample ID : 270743-015

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	110		33	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	0.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	3.6		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	64		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-6 @ 133 Laboratory Sample ID : 270743-016

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	23		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	39		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	0.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	3.6		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	65		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-5 @ 126 Laboratory Sample ID : 270743-017

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	68		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

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Client Sample ID : KV-8 @ 174 Laboratory Sample ID : 270743-018

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	27		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-8 @ 185 Laboratory Sample ID : 270743-019

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	34		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	84		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KV-8 @ 195 Laboratory Sample ID : 270743-020

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	37		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : WJ-11 Laboratory Sample ID : 270743-021

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	91		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	93		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	24		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : EX-01 @ 125 Laboratory Sample ID : 270743-022

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	68		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	23		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : EX-01 @ 145 Laboratory Sample ID : 270743-023

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	46		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	25		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : WJ-43 Laboratory Sample ID : 270743-024

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	83		33	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
2-Butanone	11		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	19		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

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Client Sample ID : WJ-37A Laboratory Sample ID : 270743-025

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	55		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	15		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.9		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	16		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : WJ-41 Laboratory Sample ID : 270743-026

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	72		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	76		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	0.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : DUP1 Laboratory Sample ID : 270743-027

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	78		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
2-Butanone	55		10	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	0.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-1 @ 180	Batch#:	228466
Lab ID:	270743-001	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	20	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	3.3	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-1 @ 180	Batch#:	228466
Lab ID:	270743-001	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	109	75-139
Toluene-d8	82	80-120
Bromofluorobenzene	90	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-2 @ 180	Batch#:	228466
Lab ID:	270743-002	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	58	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.3	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	39	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-2 @ 180	Batch#:	228466
Lab ID:	270743-002	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-128
1,2-Dichloroethane-d4	109	75-139
Toluene-d8	83	80-120
Bromofluorobenzene	89	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-2 @ 190	Batch#:	228466
Lab ID:	270743-003	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	22	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	2.4	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	5.7	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-2 @ 190	Batch#:	228466
Lab ID:	270743-003	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	111	75-139
Toluene-d8	82	80-120
Bromofluorobenzene	91	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-2 @ 200	Batch#:	228466
Lab ID:	270743-004	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	15	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.7	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	15	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-2 @ 200	Batch#:	228466
Lab ID:	270743-004	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128
1,2-Dichloroethane-d4	112	75-139
Toluene-d8	84	80-120
Bromofluorobenzene	89	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	DUP2	Batch#:	228466
Lab ID:	270743-005	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	59	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.3	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	37	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	DUP2	Batch#:	228466
Lab ID:	270743-005	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-128
1,2-Dichloroethane-d4	109	75-139
Toluene-d8	83	80-120
Bromofluorobenzene	89	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-3 @ 172	Batch#:	228466
Lab ID:	270743-006	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	19	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.6	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	0.9	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	1.3	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-3 @ 172	Batch#:	228466
Lab ID:	270743-006	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	109	75-139
Toluene-d8	85	80-120
Bromofluorobenzene	90	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-3 @ 182	Batch#:	228466
Lab ID:	270743-007	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	36	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.8	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	0.7	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	1.0	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-3 @ 182	Batch#:	228466
Lab ID:	270743-007	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	116	75-139
Toluene-d8	84	80-120
Bromofluorobenzene	93	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-4 @ 185	Batch#:	228466
Lab ID:	270743-008	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	41	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-4 @ 185	Batch#:	228466
Lab ID:	270743-008	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	112	75-139
Toluene-d8	87	80-120
Bromofluorobenzene	92	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WESCOSA	Batch#:	228466
Lab ID:	270743-009	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	19	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	5.1	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	23	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WESCOSA	Batch#:	228466
Lab ID:	270743-009	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	115	75-139
Toluene-d8	82	80-120
Bromofluorobenzene	93	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-9 @ 138	Batch#:	228466
Lab ID:	270743-010	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	74	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	66	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	45	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-9 @ 138	Batch#:	228466
Lab ID:	270743-010	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	112	75-139
Toluene-d8	83	80-120
Bromofluorobenzene	92	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-9 @ 148	Batch#:	228466
Lab ID:	270743-011	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	74	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	73	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	49	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-9 @ 148	Batch#:	228466
Lab ID:	270743-011	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128
1,2-Dichloroethane-d4	117	75-139
Toluene-d8	87	80-120
Bromofluorobenzene	95	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-7 @ 115	Units:	ug/L
Lab ID:	270743-012	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	228466	10/20/15
Chloromethane	ND	1.0	1.000	228466	10/20/15
Vinyl Chloride	ND	0.5	1.000	228466	10/20/15
Bromomethane	ND	1.0	1.000	228466	10/20/15
Chloroethane	ND	1.0	1.000	228466	10/20/15
Trichlorofluoromethane	ND	1.0	1.000	228466	10/20/15
Acetone	14	10	1.000	228466	10/20/15
Freon 113	ND	5.0	1.000	228466	10/20/15
1,1-Dichloroethene	ND	0.5	1.000	228466	10/20/15
Methylene Chloride	ND	10	1.000	228466	10/20/15
Carbon Disulfide	ND	0.5	1.000	228466	10/20/15
MTBE	ND	0.5	1.000	228466	10/20/15
trans-1,2-Dichloroethene	ND	0.5	1.000	228466	10/20/15
Vinyl Acetate	ND	10	1.000	228466	10/20/15
1,1-Dichloroethane	ND	0.5	1.000	228466	10/20/15
2-Butanone	36	10	1.000	228466	10/20/15
cis-1,2-Dichloroethene	ND	0.5	1.000	228466	10/20/15
2,2-Dichloropropane	ND	0.5	1.000	228466	10/20/15
Chloroform	ND	0.5	1.000	228466	10/20/15
Bromochloromethane	ND	0.5	1.000	228466	10/20/15
1,1,1-Trichloroethane	ND	0.5	1.000	228466	10/20/15
1,1-Dichloropropene	ND	0.5	1.000	228466	10/20/15
Carbon Tetrachloride	ND	0.5	1.000	228466	10/20/15
1,2-Dichloroethane	ND	0.5	1.000	228466	10/20/15
Benzene	ND	0.5	1.000	228466	10/20/15
Trichloroethene	1.2	0.5	1.000	228466	10/20/15
1,2-Dichloropropane	ND	0.5	1.000	228466	10/20/15
Bromodichloromethane	ND	0.5	1.000	228466	10/20/15
Dibromomethane	ND	0.5	1.000	228466	10/20/15
4-Methyl-2-Pentanone	ND	10	1.000	228466	10/20/15
cis-1,3-Dichloropropene	ND	0.5	1.000	228466	10/20/15
Toluene	ND	0.5	1.000	228466	10/20/15
trans-1,3-Dichloropropene	ND	0.5	1.000	228466	10/20/15
1,1,2-Trichloroethane	ND	0.5	1.000	228466	10/20/15
2-Hexanone	ND	10	1.000	228466	10/20/15
1,3-Dichloropropane	ND	0.5	1.000	228466	10/20/15
Tetrachloroethene	78	1.0	2.000	228516	10/21/15
Dibromochloromethane	ND	0.5	1.000	228466	10/20/15
1,2-Dibromoethane	ND	0.5	1.000	228466	10/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-7 @ 115	Units:	ug/L
Lab ID:	270743-012	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	0.5	1.000	228466	10/20/15
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	228466	10/20/15
Ethylbenzene	ND	0.5	1.000	228466	10/20/15
m,p-Xylenes	ND	0.5	1.000	228466	10/20/15
o-Xylene	ND	0.5	1.000	228466	10/20/15
Styrene	ND	0.5	1.000	228466	10/20/15
Bromoform	ND	1.0	1.000	228466	10/20/15
Isopropylbenzene	ND	0.5	1.000	228466	10/20/15
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	228466	10/20/15
1,2,3-Trichloropropane	ND	0.5	1.000	228466	10/20/15
Propylbenzene	ND	0.5	1.000	228466	10/20/15
Bromobenzene	ND	0.5	1.000	228466	10/20/15
1,3,5-Trimethylbenzene	ND	0.5	1.000	228466	10/20/15
2-Chlorotoluene	ND	0.5	1.000	228466	10/20/15
4-Chlorotoluene	ND	0.5	1.000	228466	10/20/15
tert-Butylbenzene	ND	0.5	1.000	228466	10/20/15
1,2,4-Trimethylbenzene	ND	0.5	1.000	228466	10/20/15
sec-Butylbenzene	ND	0.5	1.000	228466	10/20/15
para-Isopropyl Toluene	ND	0.5	1.000	228466	10/20/15
1,3-Dichlorobenzene	ND	0.5	1.000	228466	10/20/15
1,4-Dichlorobenzene	ND	0.5	1.000	228466	10/20/15
n-Butylbenzene	ND	0.5	1.000	228466	10/20/15
1,2-Dichlorobenzene	ND	0.5	1.000	228466	10/20/15
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	228466	10/20/15
1,2,4-Trichlorobenzene	ND	0.5	1.000	228466	10/20/15
Hexachlorobutadiene	ND	2.0	1.000	228466	10/20/15
Naphthalene	ND	2.0	1.000	228466	10/20/15
1,2,3-Trichlorobenzene	ND	0.5	1.000	228466	10/20/15

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	107	80-128	1.000	228466	10/20/15
1,2-Dichloroethane-d4	113	75-139	1.000	228466	10/20/15
Toluene-d8	85	80-120	1.000	228466	10/20/15
Bromofluorobenzene	92	80-120	1.000	228466	10/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-7 @ 125	Batch#:	228477
Lab ID:	270743-013	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	19	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	64	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	35	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-7 @ 125	Batch#:	228477
Lab ID:	270743-013	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	113	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-7 @ 136	Batch#:	228477
Lab ID:	270743-014	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	33	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	12	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	0.8	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	62	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-7 @ 136	Batch#:	228477
Lab ID:	270743-014	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-128
1,2-Dichloroethane-d4	113	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-6 @ 125	Units:	ug/L
Lab ID:	270743-015	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	228477	10/20/15
Chloromethane	ND	1.0	1.000	228477	10/20/15
Vinyl Chloride	ND	0.5	1.000	228477	10/20/15
Bromomethane	ND	1.0	1.000	228477	10/20/15
Chloroethane	ND	1.0	1.000	228477	10/20/15
Trichlorofluoromethane	ND	1.0	1.000	228477	10/20/15
Acetone	110	33	3.333	228542	10/21/15
Freon 113	ND	5.0	1.000	228477	10/20/15
1,1-Dichloroethene	ND	0.5	1.000	228477	10/20/15
Methylene Chloride	ND	10	1.000	228477	10/20/15
Carbon Disulfide	ND	0.5	1.000	228477	10/20/15
MTBE	ND	0.5	1.000	228477	10/20/15
trans-1,2-Dichloroethene	ND	0.5	1.000	228477	10/20/15
Vinyl Acetate	ND	10	1.000	228477	10/20/15
1,1-Dichloroethane	ND	0.5	1.000	228477	10/20/15
2-Butanone	ND	10	1.000	228477	10/20/15
cis-1,2-Dichloroethene	0.7	0.5	1.000	228477	10/20/15
2,2-Dichloropropane	ND	0.5	1.000	228477	10/20/15
Chloroform	ND	0.5	1.000	228477	10/20/15
Bromochloromethane	ND	0.5	1.000	228477	10/20/15
1,1,1-Trichloroethane	ND	0.5	1.000	228477	10/20/15
1,1-Dichloropropene	ND	0.5	1.000	228477	10/20/15
Carbon Tetrachloride	ND	0.5	1.000	228477	10/20/15
1,2-Dichloroethane	ND	0.5	1.000	228477	10/20/15
Benzene	ND	0.5	1.000	228477	10/20/15
Trichloroethene	3.6	0.5	1.000	228477	10/20/15
1,2-Dichloropropane	ND	0.5	1.000	228477	10/20/15
Bromodichloromethane	ND	0.5	1.000	228477	10/20/15
Dibromomethane	ND	0.5	1.000	228477	10/20/15
4-Methyl-2-Pentanone	ND	10	1.000	228477	10/20/15
cis-1,3-Dichloropropene	ND	0.5	1.000	228477	10/20/15
Toluene	ND	0.5	1.000	228477	10/20/15
trans-1,3-Dichloropropene	ND	0.5	1.000	228477	10/20/15
1,1,2-Trichloroethane	ND	0.5	1.000	228477	10/20/15
2-Hexanone	ND	10	1.000	228477	10/20/15
1,3-Dichloropropane	ND	0.5	1.000	228477	10/20/15
Tetrachloroethene	64	0.5	1.000	228477	10/20/15
Dibromochloromethane	ND	0.5	1.000	228477	10/20/15
1,2-Dibromoethane	ND	0.5	1.000	228477	10/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-6 @ 125	Units:	ug/L
Lab ID:	270743-015	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	0.5	1.000	228477	10/20/15
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	228477	10/20/15
Ethylbenzene	ND	0.5	1.000	228477	10/20/15
m,p-Xylenes	ND	0.5	1.000	228477	10/20/15
o-Xylene	ND	0.5	1.000	228477	10/20/15
Styrene	ND	0.5	1.000	228477	10/20/15
Bromoform	ND	1.0	1.000	228477	10/20/15
Isopropylbenzene	ND	0.5	1.000	228477	10/20/15
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	228477	10/20/15
1,2,3-Trichloropropane	ND	0.5	1.000	228477	10/20/15
Propylbenzene	ND	0.5	1.000	228477	10/20/15
Bromobenzene	ND	0.5	1.000	228477	10/20/15
1,3,5-Trimethylbenzene	ND	0.5	1.000	228477	10/20/15
2-Chlorotoluene	ND	0.5	1.000	228477	10/20/15
4-Chlorotoluene	ND	0.5	1.000	228477	10/20/15
tert-Butylbenzene	ND	0.5	1.000	228477	10/20/15
1,2,4-Trimethylbenzene	ND	0.5	1.000	228477	10/20/15
sec-Butylbenzene	ND	0.5	1.000	228477	10/20/15
para-Isopropyl Toluene	ND	0.5	1.000	228477	10/20/15
1,3-Dichlorobenzene	ND	0.5	1.000	228477	10/20/15
1,4-Dichlorobenzene	ND	0.5	1.000	228477	10/20/15
n-Butylbenzene	ND	0.5	1.000	228477	10/20/15
1,2-Dichlorobenzene	ND	0.5	1.000	228477	10/20/15
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	228477	10/20/15
1,2,4-Trichlorobenzene	ND	0.5	1.000	228477	10/20/15
Hexachlorobutadiene	ND	2.0	1.000	228477	10/20/15
Naphthalene	ND	2.0	1.000	228477	10/20/15
1,2,3-Trichlorobenzene	ND	0.5	1.000	228477	10/20/15

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	107	80-128	1.000	228477	10/20/15
1,2-Dichloroethane-d4	115	75-139	1.000	228477	10/20/15
Toluene-d8	97	80-120	1.000	228477	10/20/15
Bromofluorobenzene	106	80-120	1.000	228477	10/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-6 @ 133	Diln Fac:	1.000
Lab ID:	270743-016	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
Freon 12	ND	1.0	228477	10/20/15
Chloromethane	ND	1.0	228477	10/20/15
Vinyl Chloride	ND	0.5	228477	10/20/15
Bromomethane	ND	1.0	228477	10/20/15
Chloroethane	ND	1.0	228477	10/20/15
Trichlorofluoromethane	ND	1.0	228477	10/20/15
Acetone	23	10	228542	10/21/15
Freon 113	ND	5.0	228477	10/20/15
1,1-Dichloroethene	ND	0.5	228477	10/20/15
Methylene Chloride	ND	10	228477	10/20/15
Carbon Disulfide	ND	0.5	228477	10/20/15
MTBE	ND	0.5	228477	10/20/15
trans-1,2-Dichloroethene	ND	0.5	228477	10/20/15
Vinyl Acetate	ND	10	228477	10/20/15
1,1-Dichloroethane	ND	0.5	228477	10/20/15
2-Butanone	39	10	228477	10/20/15
cis-1,2-Dichloroethene	0.7	0.5	228477	10/20/15
2,2-Dichloropropane	ND	0.5	228477	10/20/15
Chloroform	ND	0.5	228477	10/20/15
Bromochloromethane	ND	0.5	228477	10/20/15
1,1,1-Trichloroethane	ND	0.5	228477	10/20/15
1,1-Dichloropropene	ND	0.5	228477	10/20/15
Carbon Tetrachloride	ND	0.5	228477	10/20/15
1,2-Dichloroethane	ND	0.5	228477	10/20/15
Benzene	ND	0.5	228477	10/20/15
Trichloroethene	3.6	0.5	228477	10/20/15
1,2-Dichloropropane	ND	0.5	228477	10/20/15
Bromodichloromethane	ND	0.5	228477	10/20/15
Dibromomethane	ND	0.5	228477	10/20/15
4-Methyl-2-Pentanone	ND	10	228477	10/20/15
cis-1,3-Dichloropropene	ND	0.5	228477	10/20/15
Toluene	ND	0.5	228477	10/20/15
trans-1,3-Dichloropropene	ND	0.5	228477	10/20/15
1,1,2-Trichloroethane	ND	0.5	228477	10/20/15
2-Hexanone	ND	10	228477	10/20/15
1,3-Dichloropropane	ND	0.5	228477	10/20/15
Tetrachloroethene	65	0.5	228477	10/20/15
Dibromochloromethane	ND	0.5	228477	10/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-6 @ 133	Diln Fac:	1.000
Lab ID:	270743-016	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
1,2-Dibromoethane	ND	0.5	228477	10/20/15
Chlorobenzene	ND	0.5	228477	10/20/15
1,1,1,2-Tetrachloroethane	ND	0.5	228477	10/20/15
Ethylbenzene	ND	0.5	228477	10/20/15
m,p-Xylenes	ND	0.5	228477	10/20/15
o-Xylene	ND	0.5	228477	10/20/15
Styrene	ND	0.5	228477	10/20/15
Bromoform	ND	1.0	228477	10/20/15
Isopropylbenzene	ND	0.5	228477	10/20/15
1,1,2,2-Tetrachloroethane	ND	0.5	228477	10/20/15
1,2,3-Trichloropropane	ND	0.5	228477	10/20/15
Propylbenzene	ND	0.5	228477	10/20/15
Bromobenzene	ND	0.5	228477	10/20/15
1,3,5-Trimethylbenzene	ND	0.5	228477	10/20/15
2-Chlorotoluene	ND	0.5	228477	10/20/15
4-Chlorotoluene	ND	0.5	228477	10/20/15
tert-Butylbenzene	ND	0.5	228477	10/20/15
1,2,4-Trimethylbenzene	ND	0.5	228477	10/20/15
sec-Butylbenzene	ND	0.5	228477	10/20/15
para-Isopropyl Toluene	ND	0.5	228477	10/20/15
1,3-Dichlorobenzene	ND	0.5	228477	10/20/15
1,4-Dichlorobenzene	ND	0.5	228477	10/20/15
n-Butylbenzene	ND	0.5	228477	10/20/15
1,2-Dichlorobenzene	ND	0.5	228477	10/20/15
1,2-Dibromo-3-Chloropropane	ND	2.0	228477	10/20/15
1,2,4-Trichlorobenzene	ND	0.5	228477	10/20/15
Hexachlorobutadiene	ND	2.0	228477	10/20/15
Naphthalene	ND	2.0	228477	10/20/15
1,2,3-Trichlorobenzene	ND	0.5	228477	10/20/15

Surrogate	%REC	Limits	Batch#	Analyzed
Dibromofluoromethane	106	80-128	228477	10/20/15
1,2-Dichloroethane-d4	112	75-139	228477	10/20/15
Toluene-d8	102	80-120	228477	10/20/15
Bromofluorobenzene	98	80-120	228477	10/20/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-5 @ 126	Batch#:	228477
Lab ID:	270743-017	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	68	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-5 @ 126	Batch#:	228477
Lab ID:	270743-017	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128
1,2-Dichloroethane-d4	121	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-8 @ 174	Batch#:	228477
Lab ID:	270743-018	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	27	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-8 @ 174	Batch#:	228477
Lab ID:	270743-018	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	120	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-8 @ 185	Batch#:	228477
Lab ID:	270743-019	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	34	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	84	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-8 @ 185	Batch#:	228477
Lab ID:	270743-019	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	119	75-139
Toluene-d8	94	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-8 @ 195	Batch#:	228477
Lab ID:	270743-020	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	37	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	KV-8 @ 195	Batch#:	228477
Lab ID:	270743-020	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	122	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-11	Batch#:	228477
Lab ID:	270743-021	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	91	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	93	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	24	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-11	Batch#:	228477
Lab ID:	270743-021	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	82	80-128
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	105	80-120
Bromofluorobenzene	96	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	EX-01 @ 125	Batch#:	228477
Lab ID:	270743-022	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	68	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	0.7	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	23	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	EX-01 @ 125	Batch#:	228477
Lab ID:	270743-022	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-128
1,2-Dichloroethane-d4	117	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	EX-01 @ 145	Batch#:	228477
Lab ID:	270743-023	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	46	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	0.7	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	25	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	EX-01 @ 145	Batch#:	228477
Lab ID:	270743-023	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	125	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-43	Sampled:	10/15/15
Lab ID:	270743-024	Received:	10/16/15
Matrix:	Water	Analyzed:	10/21/15
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#
Freon 12	ND	1.0	1.000	228477
Chloromethane	ND	1.0	1.000	228477
Vinyl Chloride	ND	0.5	1.000	228477
Bromomethane	ND	1.0	1.000	228477
Chloroethane	ND	1.0	1.000	228477
Trichlorofluoromethane	ND	1.0	1.000	228477
Acetone	83	33	3.333	228542
Freon 113	ND	5.0	1.000	228477
1,1-Dichloroethene	ND	0.5	1.000	228477
Methylene Chloride	ND	10	1.000	228477
Carbon Disulfide	ND	0.5	1.000	228477
MTBE	ND	0.5	1.000	228477
trans-1,2-Dichloroethene	ND	0.5	1.000	228477
Vinyl Acetate	ND	10	1.000	228477
1,1-Dichloroethane	ND	0.5	1.000	228477
2-Butanone	11	10	1.000	228477
cis-1,2-Dichloroethene	ND	0.5	1.000	228477
2,2-Dichloropropane	ND	0.5	1.000	228477
Chloroform	ND	0.5	1.000	228477
Bromochloromethane	ND	0.5	1.000	228477
1,1,1-Trichloroethane	ND	0.5	1.000	228477
1,1-Dichloropropene	ND	0.5	1.000	228477
Carbon Tetrachloride	ND	0.5	1.000	228477
1,2-Dichloroethane	ND	0.5	1.000	228477
Benzene	ND	0.5	1.000	228477
Trichloroethene	ND	0.5	1.000	228477
1,2-Dichloropropane	ND	0.5	1.000	228477
Bromodichloromethane	ND	0.5	1.000	228477
Dibromomethane	ND	0.5	1.000	228477
4-Methyl-2-Pentanone	ND	10	1.000	228477
cis-1,3-Dichloropropene	ND	0.5	1.000	228477
Toluene	ND	0.5	1.000	228477
trans-1,3-Dichloropropene	ND	0.5	1.000	228477
1,1,2-Trichloroethane	ND	0.5	1.000	228477
2-Hexanone	ND	10	1.000	228477
1,3-Dichloropropane	ND	0.5	1.000	228477
Tetrachloroethene	19	0.5	1.000	228477
Dibromochloromethane	ND	0.5	1.000	228477

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-43	Sampled:	10/15/15
Lab ID:	270743-024	Received:	10/16/15
Matrix:	Water	Analyzed:	10/21/15
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#
1,2-Dibromoethane	ND	0.5	1.000	228477
Chlorobenzene	ND	0.5	1.000	228477
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	228477
Ethylbenzene	ND	0.5	1.000	228477
m,p-Xylenes	ND	0.5	1.000	228477
o-Xylene	ND	0.5	1.000	228477
Styrene	ND	0.5	1.000	228477
Bromoform	ND	1.0	1.000	228477
Isopropylbenzene	ND	0.5	1.000	228477
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	228477
1,2,3-Trichloropropane	ND	0.5	1.000	228477
Propylbenzene	ND	0.5	1.000	228477
Bromobenzene	ND	0.5	1.000	228477
1,3,5-Trimethylbenzene	ND	0.5	1.000	228477
2-Chlorotoluene	ND	0.5	1.000	228477
4-Chlorotoluene	ND	0.5	1.000	228477
tert-Butylbenzene	ND	0.5	1.000	228477
1,2,4-Trimethylbenzene	ND	0.5	1.000	228477
sec-Butylbenzene	ND	0.5	1.000	228477
para-Isopropyl Toluene	ND	0.5	1.000	228477
1,3-Dichlorobenzene	ND	0.5	1.000	228477
1,4-Dichlorobenzene	ND	0.5	1.000	228477
n-Butylbenzene	ND	0.5	1.000	228477
1,2-Dichlorobenzene	ND	0.5	1.000	228477
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	228477
1,2,4-Trichlorobenzene	ND	0.5	1.000	228477
Hexachlorobutadiene	ND	2.0	1.000	228477
Naphthalene	ND	2.0	1.000	228477
1,2,3-Trichlorobenzene	ND	0.5	1.000	228477

Surrogate	%REC	Limits	Diln Fac	Batch#
Dibromofluoromethane	109	80-128	1.000	228477
1,2-Dichloroethane-d4	125	75-139	1.000	228477
Toluene-d8	97	80-120	1.000	228477
Bromofluorobenzene	100	80-120	1.000	228477

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-37A	Diln Fac:	1.000
Lab ID:	270743-025	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15

Analyte	Result	RL	Batch#
Freon 12	ND	1.0	228477
Chloromethane	ND	1.0	228477
Vinyl Chloride	ND	0.5	228477
Bromomethane	ND	1.0	228477
Chloroethane	ND	1.0	228477
Trichlorofluoromethane	ND	1.0	228477
Acetone	55	10	228542
Freon 113	ND	5.0	228477
1,1-Dichloroethene	ND	0.5	228477
Methylene Chloride	ND	10	228477
Carbon Disulfide	ND	0.5	228477
MTBE	ND	0.5	228477
trans-1,2-Dichloroethene	ND	0.5	228477
Vinyl Acetate	ND	10	228477
1,1-Dichloroethane	ND	0.5	228477
2-Butanone	15	10	228477
cis-1,2-Dichloroethene	ND	0.5	228477
2,2-Dichloropropane	ND	0.5	228477
Chloroform	ND	0.5	228477
Bromochloromethane	ND	0.5	228477
1,1,1-Trichloroethane	ND	0.5	228477
1,1-Dichloropropene	ND	0.5	228477
Carbon Tetrachloride	ND	0.5	228477
1,2-Dichloroethane	ND	0.5	228477
Benzene	ND	0.5	228477
Trichloroethene	0.9	0.5	228477
1,2-Dichloropropane	ND	0.5	228477
Bromodichloromethane	ND	0.5	228477
Dibromomethane	ND	0.5	228477
4-Methyl-2-Pentanone	ND	10	228477
cis-1,3-Dichloropropene	ND	0.5	228477
Toluene	ND	0.5	228477
trans-1,3-Dichloropropene	ND	0.5	228477
1,1,2-Trichloroethane	ND	0.5	228477
2-Hexanone	ND	10	228477
1,3-Dichloropropane	ND	0.5	228477
Tetrachloroethene	16	0.5	228477
Dibromochloromethane	ND	0.5	228477

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-37A	Diln Fac:	1.000
Lab ID:	270743-025	Sampled:	10/15/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15

Analyte	Result	RL	Batch#
1,2-Dibromoethane	ND	0.5	228477
Chlorobenzene	ND	0.5	228477
1,1,1,2-Tetrachloroethane	ND	0.5	228477
Ethylbenzene	ND	0.5	228477
m,p-Xylenes	ND	0.5	228477
o-Xylene	ND	0.5	228477
Styrene	ND	0.5	228477
Bromoform	ND	1.0	228477
Isopropylbenzene	ND	0.5	228477
1,1,2,2-Tetrachloroethane	ND	0.5	228477
1,2,3-Trichloropropane	ND	0.5	228477
Propylbenzene	ND	0.5	228477
Bromobenzene	ND	0.5	228477
1,3,5-Trimethylbenzene	ND	0.5	228477
2-Chlorotoluene	ND	0.5	228477
4-Chlorotoluene	ND	0.5	228477
tert-Butylbenzene	ND	0.5	228477
1,2,4-Trimethylbenzene	ND	0.5	228477
sec-Butylbenzene	ND	0.5	228477
para-Isopropyl Toluene	ND	0.5	228477
1,3-Dichlorobenzene	ND	0.5	228477
1,4-Dichlorobenzene	ND	0.5	228477
n-Butylbenzene	ND	0.5	228477
1,2-Dichlorobenzene	ND	0.5	228477
1,2-Dibromo-3-Chloropropane	ND	2.0	228477
1,2,4-Trichlorobenzene	ND	0.5	228477
Hexachlorobutadiene	ND	2.0	228477
Naphthalene	ND	2.0	228477
1,2,3-Trichlorobenzene	ND	0.5	228477

Surrogate	%REC	Limits	Batch#
Dibromofluoromethane	108	80-128	228477
1,2-Dichloroethane-d4	125	75-139	228477
Toluene-d8	101	80-120	228477
Bromofluorobenzene	96	80-120	228477

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-41	Batch#:	228477
Lab ID:	270743-026	Sampled:	10/16/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	72	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	76	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.8	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	0.8	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	WJ-41	Batch#:	228477
Lab ID:	270743-026	Sampled:	10/16/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	123	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	DUP1	Batch#:	228516
Lab ID:	270743-027	Sampled:	10/16/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	78	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	55	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.8	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	0.8	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	DUP1	Batch#:	228516
Lab ID:	270743-027	Sampled:	10/16/15
Matrix:	Water	Received:	10/16/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	112	75-139
Toluene-d8	86	80-120
Bromofluorobenzene	95	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	228466
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Type: BS Lab ID: QC808878

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.25	90	66-135
Benzene	12.50	11.62	93	80-123
Trichloroethene	12.50	13.03	104	80-123
Toluene	12.50	11.22	90	80-121
Chlorobenzene	12.50	12.88	103	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-128
1,2-Dichloroethane-d4	108	75-139
Toluene-d8	84	80-120
Bromofluorobenzene	86	80-120

Type: BSD Lab ID: QC808879

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.46	92	66-135	2	24
Benzene	12.50	11.59	93	80-123	0	20
Trichloroethene	12.50	13.09	105	80-123	0	20
Toluene	12.50	11.05	88	80-121	2	20
Chlorobenzene	12.50	12.73	102	80-123	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-128
1,2-Dichloroethane-d4	106	75-139
Toluene-d8	83	80-120
Bromofluorobenzene	90	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC808882	Batch#:	228466
Matrix:	Water	Analyzed:	10/20/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC808882	Batch#:	228466
Matrix:	Water	Analyzed:	10/20/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-128
1,2-Dichloroethane-d4	109	75-139
Toluene-d8	87	80-120
Bromofluorobenzene	91	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	228477
Units:	ug/L	Analyzed:	10/20/15
Diln Fac:	1.000		

Type: BS Lab ID: QC808923

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	13.71	110	66-135
Benzene	12.50	13.94	112	80-123
Trichloroethene	12.50	13.96	112	80-123
Toluene	12.50	14.92	119	80-121
Chlorobenzene	12.50	14.36	115	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	109	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-120

Type: BSD Lab ID: QC808924

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	12.54	100	66-135	9	24
Benzene	12.50	13.76	110	80-123	1	20
Trichloroethene	12.50	13.69	110	80-123	2	20
Toluene	12.50	15.09	121	80-121	1	20
Chlorobenzene	12.50	14.19	114	80-123	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	106	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC808925	Batch#:	228477
Matrix:	Water	Analyzed:	10/20/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC808925	Batch#:	228477
Matrix:	Water	Analyzed:	10/20/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-128
1,2-Dichloroethane-d4	135	75-139
Toluene-d8	106	80-120
Bromofluorobenzene	90	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	228516
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Type: BS Lab ID: QC809082

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.45	92	66-135
Benzene	12.50	11.41	91	80-123
Trichloroethene	12.50	12.76	102	80-123
Toluene	12.50	11.64	93	80-121
Chlorobenzene	12.50	12.53	100	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	107	75-139
Toluene-d8	86	80-120
Bromofluorobenzene	90	80-120

Type: BSD Lab ID: QC809083

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	12.19	97	66-135	6	24
Benzene	12.50	11.71	94	80-123	3	20
Trichloroethene	12.50	13.38	107	80-123	5	20
Toluene	12.50	11.50	92	80-121	1	20
Chlorobenzene	12.50	12.53	100	80-123	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-128
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	85	80-120
Bromofluorobenzene	91	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC809084	Batch#:	228516
Matrix:	Water	Analyzed:	10/21/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC809084	Batch#:	228516
Matrix:	Water	Analyzed:	10/21/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-128
1,2-Dichloroethane-d4	110	75-139
Toluene-d8	86	80-120
Bromofluorobenzene	91	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	228516
MSS Lab ID:	270819-001	Sampled:	10/13/15
Matrix:	Water	Received:	10/20/15
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Type: MS Lab ID: QC809104

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	0.1977	12.50	13.93	110	73-129
Benzene	<0.1492	12.50	13.33	107	80-120
Trichloroethene	1.086	12.50	16.34	122	73-123
Toluene	<0.1147	12.50	12.57	101	80-120
Chlorobenzene	<0.1188	12.50	14.46	116	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-128
1,2-Dichloroethane-d4	113	75-139
Toluene-d8	85	80-120
Bromofluorobenzene	93	80-120

Type: MSD Lab ID: QC809105

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	13.07	103	73-129	6	25
Benzene	12.50	12.24	98	80-120	9	20
Trichloroethene	12.50	14.37	106	73-123	13	20
Toluene	12.50	12.21	98	80-120	3	21
Chlorobenzene	12.50	13.99	112	80-120	3	24

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-128
1,2-Dichloroethane-d4	104	75-139
Toluene-d8	87	80-120
Bromofluorobenzene	89	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	228542
Units:	ug/L	Analyzed:	10/21/15
Diln Fac:	1.000		

Type: BS Lab ID: QC809190

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	14.22	114	66-135
Benzene	12.50	13.93	111	80-123
Trichloroethene	12.50	13.07	105	80-123
Toluene	12.50	13.27	106	80-121
Chlorobenzene	12.50	13.83	111	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-128
1,2-Dichloroethane-d4	79	75-139
Toluene-d8	94	80-120
Bromofluorobenzene	111	80-120

Type: BSD Lab ID: QC809191

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	14.27	114	66-135	0	24
Benzene	12.50	14.22	114	80-123	2	20
Trichloroethene	12.50	13.45	108	80-123	3	20
Toluene	12.50	13.71	110	80-121	3	20
Chlorobenzene	12.50	14.15	113	80-123	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-128
1,2-Dichloroethane-d4	79	75-139
Toluene-d8	94	80-120
Bromofluorobenzene	115	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC809192	Batch#:	228542
Matrix:	Water	Analyzed:	10/21/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	270743	Location:	SVG - Scotts Valley
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC809192	Batch#:	228542
Matrix:	Water	Analyzed:	10/21/15
Units:	ug/L		

Analyte	Result	RL
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-128
1,2-Dichloroethane-d4	82	75-139
Toluene-d8	94	80-120
Bromofluorobenzene	138 *	80-120

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 270742
ANALYTICAL REPORT

Arcadis	Project : RC000463
2000 Powell St	Location : SVG - Scotts Valley, CA
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
KV-1 (GRAB)	270742-001
KV-2 (GRAB)	270742-002
KV-3 (GRAB)	270742-003
KV-4 (GRAB)	270742-004
WESCOSA (GRAB)	270742-005
KV-9 (GRAB)	270742-006
KV-7 (GRAB)	270742-007
KV-6 (GRAB)	270742-008
KV-5 (GRAB)	270742-009
KV-8 (GRAB)	270742-010
WJ-11 (GRAB)	270742-011
EX-01 (GRAB)	270742-012
WJ-43 (GRAB)	270742-013
WJ-37A (GRAB)	270742-014
WJ-41 (GRAB)	270742-015

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Mikelle Chong Date: 10/23/2015

Mikelle Chong
Project Manager
mikelle.chong@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**270742**
Client:	**Arcadis**
Project:	**RC000463**
Location:	**SVG - Scotts Valley, CA**
Request Date:	**10/16/15**
Samples Received:	**10/16/15**

This data package contains sample and QC results for fifteen water samples, requested for the above referenced project on 10/16/15. The samples were received on ice and intact, directly from the field.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Curtis + Tompkins

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ID#: 270742

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

Send Results to:
Contact & Company Name: K. Brandt, Arcadis
Telephone:
Address:
Fax:
City State Zip
E-mail Address:
on file

Project Name/Location (City, State): SLG - Scotts Valley, CA
Project #: EC002463.0112.NA215
Sampler's Printed Name: Heather Tauscher
Sampler's Signature: Heather M Tauscher

Preservative	HCL												
Filtered (✓)													
# of Containers	3												
Container Information	VOAs												

PARAMETER ANALYSIS & METHOD

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil, W - Water, SL - Sludge, SW - Sample Wipe, T - Tissue, A - Air, Other: _____

	Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	GRAB MTBE	REMARKS
1	KV-1 (Grab)	10/15/15	0955			W	3	
2	KV-2 (Grab)	10/15/15	1027			W	3	
3	KV-3 (Grab)	10/15/15	1055			W	3	
4	KV-4 (Grab)	10/15/15	1121			W	3	
5	Wescosa (Grab)	10/15/15	1145			W	3	
6	KV-9 (Grab)	10/15/15	1231			W	3	
7	KV-7 (Grab)	10/15/15	1309			W	3	
8	KV-6 (Grab)	10/15/15	1409			W	3	
9	KV-5 (Grab)	10/15/15	1439			W	3	
10	KV-8 (Grab)	10/15/15	1525			W	3	
11	WJ-11 (Grab)	10/15/15	1557			W	3	
12	EX-01 (Grab)	10/15/15	1633			W	3	
13	WJ-43 (Grab)	10/15/15	1657			W	3	
14	WJ-33A (Grab)	10/15/15	1713			W	3	

Special Instructions/Comments:

☐ **Special QA/QC Instructions(✓):**

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Curtis + Tompkins	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: Heather Tauscher	Printed Name: Pat Gonzalez	Printed Name:	Printed Name:
☒ Cooler packed with ice (✓)		Signature: Heather M Tauscher	Signature: Pat Gonzalez	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm/Courier: CAT	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 10/16/15 @1251	Date/Time: 10/16/15 12:51	Date/Time:	Date/Time:

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

ARCADIS
Infrastructure · Water · Environment · Buildings

ID#: 270742

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

Send Results to:

Contact & Company Name: K. Brandt / ARCADIS
Telephone:
Address:
Fax:
City State Zip
E-mail Address:

Project Name/Location (City, State): SVG - Scotts Valley, CA
Project #: RC000463.0112.NAZIS
Sampler's Printed Name: Heather Tauscher
Sampler's Signature:

Preservative	HCL						
Filtered (✓)							
# of Containers	3						
Container Information	VOAS						

PARAMETER ANALYSIS & METHOD

	Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	MTBE							REMARKS
15	WS-41 (Grab)	10/16/15	0855			W	3							

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil, W - Water, SL - Sludge, SW - Sample Wipe, T - Tissue, A - Air, Other: _____

Special Instructions/Comments:

☐ **Special QA/QC Instructions(✓):**

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Curtis & Tompkins	Cooler Custody Seal (✓)	Printed Name: Heather Tauscher	Printed Name: Pat Gonzalez	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm/Courier: C&T	Firm/Courier:	Firm:
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 10/16/15 @ 1251	Date/Time: 10/16/15 1251	Date/Time:	Date/Time:

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 270742 Date Received 10/16/15 Number of coolers 1
Client Arcadis Project SVG Scotts Valley

Date Opened 10/16/15 By (print) CN (sign) [signature]
Date Logged in ↓ By (print) SL (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☒ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) 1.9°C

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☑ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ ~~YES~~ (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are there any missing / extra samples? _____ ~~YES~~ (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ YES NO (N/A)
16. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)
17. Did you document your preservative check? _____ YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

Rev 10, 9/12

Curtis & Tompkins, Ltd.

Detections Summary for 270742

Results for any subcontracted analyses are not included in this summary.

Client : Arcadis
Project : RC000463
Location : SVG - Scotts Valley, CA

Client Sample ID : KV-1 (GRAB) Laboratory Sample ID : 270742-001

No Detections

Client Sample ID : KV-2 (GRAB) Laboratory Sample ID : 270742-002

No Detections

Client Sample ID : KV-3 (GRAB) Laboratory Sample ID : 270742-003

No Detections

Client Sample ID : KV-4 (GRAB) Laboratory Sample ID : 270742-004

No Detections

Client Sample ID : WESCOSA (GRAB) Laboratory Sample ID : 270742-005

No Detections

Client Sample ID : KV-9 (GRAB) Laboratory Sample ID : 270742-006

No Detections

Client Sample ID : KV-7 (GRAB) Laboratory Sample ID : 270742-007

No Detections

Client Sample ID : KV-6 (GRAB) Laboratory Sample ID : 270742-008

No Detections

Client Sample ID : KV-5 (GRAB) Laboratory Sample ID : 270742-009

No Detections

Curtis & Tompkins, Ltd.

Client Sample ID : KV-8 (GRAB) Laboratory Sample ID : 270742-010

No Detections

Client Sample ID : WJ-11 (GRAB) Laboratory Sample ID : 270742-011

No Detections

Client Sample ID : EX-01 (GRAB) Laboratory Sample ID : 270742-012

No Detections

Client Sample ID : WJ-43 (GRAB) Laboratory Sample ID : 270742-013

No Detections

Client Sample ID : WJ-37A (GRAB) Laboratory Sample ID : 270742-014

No Detections

Client Sample ID : WJ-41 (GRAB) Laboratory Sample ID : 270742-015

No Detections

Curtis & Tompkins, Ltd.

MTBE by GC/MS

Lab #:	270742	Location:	SVG - Scotts Valley, CA
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	10/16/15

Field ID:	KV-1 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-001	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128

Field ID:	KV-2 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-002	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-128

Field ID:	KV-3 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-003	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-128

Field ID:	KV-4 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-004	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-128

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

MTBE by GC/MS

Lab #:	270742	Location:	SVG - Scotts Valley, CA
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	10/16/15

Field ID:	WESCOSA (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-005	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-128

Field ID:	KV-9 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-006	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128

Field ID:	KV-7 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-007	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128

Field ID:	KV-6 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-008	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

MTBE by GC/MS

Lab #:	270742	Location:	SVG - Scotts Valley, CA
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	10/16/15

Field ID:	KV-5 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-009	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-128

Field ID:	KV-8 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-010	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	84	80-128

Field ID:	WJ-11 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-011	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-128

Field ID:	EX-01 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-012	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-128

ND= Not Detected
RL= Reporting Limit

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MTBE by GC/MS

Lab #:	270742	Location:	SVG - Scotts Valley, CA
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	10/16/15

Field ID:	WJ-43 (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-013	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-128

Field ID:	WJ-37A (GRAB)	Batch#:	228402
Type:	SAMPLE	Sampled:	10/15/15
Lab ID:	270742-014	Analyzed:	10/18/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-128

Field ID:	WJ-41 (GRAB)	Batch#:	228433
Type:	SAMPLE	Sampled:	10/16/15
Lab ID:	270742-015	Analyzed:	10/19/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-128

Type:	BLANK	Batch#:	228402
Lab ID:	QC808632	Analyzed:	10/17/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128

Type:	BLANK	Batch#:	228433
Lab ID:	QC808755	Analyzed:	10/19/15

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-128

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

MTBE by GC/MS

Lab #:	270742	Location:	SVG - Scotts Valley, CA
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	228402
Units:	ug/L	Analyzed:	10/17/15
Diln Fac:	1.000		

Type: BS Lab ID: QC808630

Analyte	Spiked	Result	%REC	Limits
MTBE	12.50	13.07	105	65-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128

Type: BSD Lab ID: QC808631

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	12.50	13.05	104	65-120	0	22

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-128

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

MTBE by GC/MS

Lab #:	270742	Location:	SVG - Scotts Valley, CA
Client:	Arcadis	Prep:	EPA 5030B
Project#:	RC000463	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	228433
Units:	ug/L	Analyzed:	10/19/15
Diln Fac:	1.000		

Type: BS Lab ID: QC808753

Analyte	Spiked	Result	%REC	Limits
MTBE	12.50	13.24	106	65-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-128

Type: BSD Lab ID: QC808754

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	12.50	12.36	99	65-120	7	22

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-128

RPD= Relative Percent Difference