DATA QUALITY OBJECTIVES GROUNDWATER MONITORING PROGRAM

Prepared for

CAMP STANLEY STORAGE ACTIVITY
BOERNE, TEXAS

Revised April 2020

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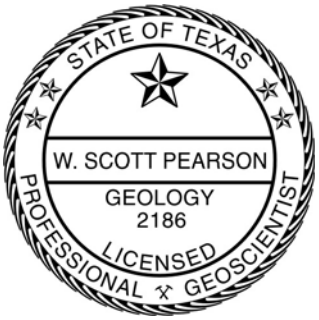
GEOSCIENTIST CERTIFICATION

Data Quality Objectives – Groundwater Contamination

for

Department of the Army
Camp Stanley Storage Activity
Boerne, Texas

I, W. Scott Pearson, Professional Geologist (P.G.), hereby certify that the Data Quality Objectives for the Groundwater Monitoring Program for the Camp Stanley Storage Activity installation in Boerne, Texas accurately represents the site conditions of the subject area. This certification is limited only to geoscientific products contained in the subject report and is made on the basis of written and verbal information provided by the CSSA Environmental Office, laboratory data provided by APPL and/or DHL, and field data obtained during groundwater monitoring conducted at the site, and is true and accurate to the best of my knowledge and belief.



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ACRONYMS AND ABBREVIATIONS

µg/L	Microgram Per Liter
1,1-DCE	1,1-Dichloroethene
AFCEE	Air Force Center for Engineering and the Environment
AOC	Area of Concern
APPL	Agriculture and Priority Pollutants Laboratories, Inc.
BGS	Below Ground Surface
BS	Bexar Shale
CC	Cow Creek
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cis-1,2-DCE	*cis*-1,2-Dichloroethene
COC	Contaminants Of Concern
CSSA	Camp Stanley Storage Activity
DQO	Data Quality Objectives
GAC	Granular Activated Carbon
IDM	Investigation-Derived Media
ISCO	In-Situ Chemical Oxidation
LCS	Laboratory Control Sample
LGR	Lower Glen Rose
LTMO	Long Term Monitoring Optimization
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
PCE	Tetrachloroethene
PWS	Public Water Supply
QAPP	Quality Assurance Program Plan
QA/QC	Quality Assurance/Quality Control
RL	Reporting Limit
SDWA	Safe Drinking Water Act
SWMU	Solid Waste Management Unit
TCE	Trichloroethene
TDS	Total Dissolved Solids
TCEQ	Texas Commission on Environmental Quality
trans-1,2-DCE	*trans*-1,2-Dichloroethene
UGR	Upper Glen Rose
UIC	Underground Injection Control
USEPA	United States Environmental Protection Agency
VC	Vinyl Chloride
VOC	Volatile Organic Compound

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INTRODUCTION

Since volatile organic compounds (VOCs) were first reported in Camp Stanley Storage Activity (CSSA) groundwater in 1991, the U.S. Army has enacted a robust groundwater monitoring program to delineate two VOC plumes originating from CSSA. Numerous on-post wells and privately-held off-post wells have been incorporated into a VOC detection and delineation network that was routinely sampled on a quarterly basis.

In April 2002, data quality objectives (DQOs) for Camp Stanley Storage Activity's (CSSA) groundwater monitoring program were formally developed using U.S. Environmental Protection Agency's (USEPA's) *Guidance for the Data Quality Objectives Process* (EPA/600/R-96/055). The DQO process is a planning tool for data collection activities. It provides a basis for balancing decision uncertainty with available resources. The April 2002 DQOs, and subsequent updates in 2003, 2006, 2009, 2010, and 2015, were approved by the USEPA and the Texas Commission on Environmental Quality (TCEQ). Approval letters are included in **Appendix A**.

The DQOs have been revised to incorporate recent changes to the groundwater program. These changes include the implementation of the updated 2020 Long-term Monitoring Optimization (LTMO) recommendations for both on- and off-post wells (pending TCEQ and USEPA approval).. Both on- and off-post wells will be analyzed for the short list of four volatile organic compounds (VOCs). In addition, on-and off-post wells will not be monitored for metals constituents with the exception of drinking water wells, and monitoring wells associated with the SWMU B-3 bioreactor and AOC-65 *in-situ* chemical oxidation (ISCO) remediation sites. These sampling analytes are inclusive of the contaminants of concern (COCs) identified in the CSSA **Baseline Risk Assessment** (Parsons, January 2014).

The format of these DQOs follows the seven-step process which is as follows:

Step 1: State the Problem

Step 2: Identify the Decision

Step 3: Identify the Inputs to the Decision

Step 4: Define the Boundaries of the Study

Step 5: Develop a Decision Rule

Step 6: Specify Tolerable Limits on Decision Errors

Step 7: Optimize the Design for Obtaining Data

In summary, the DQOs essentially remain unchanged from 2015. Those major updates that are still in effect include the following:

- An off-post decision tree provides for a monitoring point to be dropped from the program if it is greater than 1.5 miles from the CSSA boundary, or has consecutive ND results over the last 5 years.
- On/off-post short-list VOCs will remain comprised of four compounds (PCE, TCE, VC, and *cis*-1,2-DCE), in accordance with Baseline Risk Assessment COCs.

- Metals will not be sampled as part of the monitoring program with the exception of drinking water wells, and monitoring wells associated with the SWMU B-3 bioreactor and AOC-65 *in-situ* chemical oxidation (ISCO) remediation sites.
- Drinking water well analyses will continue to be sampled quarterly for the on-post short list of four VOCs (PCE, TCE, VC, and *cis*-1,2-DCE) and arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc.

STEP 1
STATE THE PROBLEM

Past operations resulted in VOC contamination of groundwater at CSSA. The majority of solid waste management units (SWMUs) and areas of concern (AOCs) have been remediated and closed. Groundwater at SWMUs B-3, O-1, and AOC-65 continues to be remediated. This DQO document is focused on CSSA's groundwater monitoring program, sampling and analyses, and other associated activities.

1.1 Background

CSSA has identified three VOC source areas as sites that have contaminated groundwater. They are SWMU B-3 and O-1, and AOC-65. There are two groundwater VOC plumes, known as Plume 1 and 2. Plume 1 is associated with SWMUs B-3 and O-1, and Plume 2's source is AOC-65. CSSA has identified VOCs at detectable levels in on- and off-post drinking water and monitoring wells. These levels are above and below the maximum contaminant levels (MCLs) for the VOCs of concern as discussed in Section 4. **Appendix B**, attached, presents a summary of historical detections presented by well for the short list of VOCs and metals through December 2019.

1.2 Planning Team

1.2.1 CSSA

CSSA Environmental Program Manager (Current)

1.2.2 Contractors

Ms. Julie Burdey, P.G., Project Manager, Parsons
Ms. Laura Arciniaga, P.G., Deputy Project Manager, Parsons
Ms. Sandra de las Fuentes, Project Chemist, Parsons
Mr. Ken Rice, Task Manager, Parsons
Mr. Scott Pearson, P.G., Task Manager, Parsons
Ms. Samantha Elliott, Task Manager, Parsons
Mr. Adrien Lindley, P.G., Task Manager, Parsons

1.2.3 Decision Makers

CSSA Environmental Program Manager (Current)
Mr. Jason D. Shirley, Installation Manager, CSSA
Mr. Greg Lyssy, U.S., USEPA, Region 6
Ms. Timothy Brown, TCEQ, Corrective Action Section – Headquarters (Austin, TX)
Mr. Jorge Salazar, TCEQ, Federal Facilities Coordinator – Region 13 (San Antonio, TX)

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STEP 2
IDENTIFY THE DECISIONS

Below are the current decisions being addressed in these DQOs. A detailed discussion of these current decision items is given in Step 3.

- Determine whether on- and neighboring off-post drinking water meets the VOC standards for safe drinking water as prescribed under USEPA and TCEQ rules.
- Determine if VOC concentrations in on-post and neighboring off-post drinking water wells exceed levels established in these project DQOs and the CSSA Off-Post Monitoring Response Plan and whether the VOC concentration requires an action by CSSA.
- Identify data gaps in groundwater monitoring program, including, but not limited to plume delineation, analytes, additional well locations, fracture flow/matrix flow/conduit flow determinations, and recharge study concepts.
- Continue to determine the effectiveness of the granular activated carbon (GAC) filtration units for the removal of VOCs from public and private off-post wells. Determine if additional GAC units are needed as specified in CSSA's **Off-Post Monitoring Response Plan** (Parsons, June 2002).
- Determine if the plume is expanding or shrinking for future remediation decisions.
- Determine if additional off-post drinking water wells need to be sampled, and if so, identify the most appropriate locations to monitor the status of the plumes.
- Select proper placement of future monitoring wells on- and off-post from historical results and statistical analyses.
- Determine whether groundwater sampling should be expanded or reduced for on- and off-post wells based on recent and historical data. The LTMO study has been updated in 2020 with five additional years of monitoring data to determine whether the sampling program should be expanded or reduced.
- Determine when modifications to the CSSA **Off-Post Monitoring Response Plan** (June 2002) are necessary and provide input to the USEPA and TCEQ.
- Determine if no further action is necessary (no additional groundwater monitoring or program activities).

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STEP 3
IDENTIFY THE INPUTS TO THE DECISION

3.1 General CSSA Inputs

Groundwater Wells

Inputs to the decision, including CSSA's groundwater supply and monitoring wells, the sample analytes, and sample frequency, are described below in **Table 1**. There are two general categories of wells (On-Post and Off-Post) that are incorporated into four distinct groundwater monitoring programs (Plume 1, Plume 2, Bioreactor, and ISCO).

Table 1 Overview of CSSA Monitoring Well Network

Location Type	Regional Groundwater Monitoring			Remediation Wells		Excluded via 2015 LTMO/DQOs	Type Total
	Public Water Supply	Plume 1	Plume 2	Bioreactor	ISCO		
On-Post	4	25	17	26	40	4	116
Off-Post	-	-	14	-	6*	47	67
Group Total	4	25	31	26	46*	51	183

**Includes off-post wells that are also sampled as part of the Plume 2 monitoring program.*

Since 2005, CSSA has implemented a Long-Term Monitoring Optimization (LTMO) program that evaluates the temporal and spatial trends of comprehensive monitoring system and makes recommendations of the number and frequency of samples needed to be collected, and for what parameters. This evaluation has been done four times (2005, 2010, 2015, and 2020). Each iteration of the LTMO process recommends a subset of the total available wells (**Table 1**) to be sampled, and at what frequency. Likewise, wells that do not produce meaningful information (e.g. repeated non-detections) can be recommended to be excluded from the program. Additional information on the LTMO process and recommendations can be found in the Three-Tiered Long-Term Monitoring Network Optimization Evaluation report (April 2020).

CSSA owns and operates four groundwater wells (CS-1, CS-10, CS-12, and CS-13) as part of TCEQ public water system (PWS) 0150117. Sampling required by the TCEQ related to the operation of the CSSA PWS is not covered under these DQOs. TCEQ collects samples from the PWS drinking water wells at frequencies determined by TCEQ PWS regulations. TCEQ will also collect split samples from other monitoring well locations at their discretion.

Sample Analytes

Newly installed on-post wells will be sampled the first time for the cadmium, lead, nickel, arsenic, barium, calcium, chromium, copper, iron, magnesium, manganese, mercury, potassium, sodium, and zinc and the full list of VOCs. Bromide, chloride, fluoride, nitrate, nitrite, sulfate, alkalinity, total dissolved solids (TDS), pH, resistivity, and bicarbonate will also be collected from newly installed wells.

Analytes evaluated as COCs in the Baseline Risk Assessment (Parsons, January 2014) are being carried forward within the CSSA groundwater monitoring program. Those include the VOC short list analytes of *cis*-1,2-dichloroethene (*cis*-1,2-DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride (VC). Additional VOC and metals continue to be collected from performance monitoring wells associated with the remedial operations being conducted at SWMU B-3 and AOC-65. VOCs only will be sampled from off-post wells. Frequencies for sampling are discussed in Sections 3.2 to 3.5, below.

Sample Frequency

A newly installed monitoring well will initially be sampled for four consecutive quarterly events to provide data for temporal and spatial statistical evaluation in future LTMO studies. Likewise, off-post wells new to the monitoring program will be sampled for the VOC Short List for four quarterly events. After one year of sampling, a future LTMO evaluation will be performed to provide a recommended sampling frequency for the well.

An effort will be made to collect a simultaneous round of samples from each on-post well per the LTMO recommendations. This simultaneous event will provide a "snapshot" of groundwater concentrations and elevations across the installation. Ideally, this "snapshot" event will "rotate" through the quarters so that seasonal variations can be captured. However, drought periods will be avoided due to the number of wells/sampling intervals that go dry during droughts. Any proposed modifications for future sampling will be submitted to USEPA and TCEQ for concurrence. The proposed 2020 LTMO provides for an inclusive Plume 1 and 2 "snapshot" event to occur every 30 months at all on- and off-post wells. **Figure 1** illustrates all on- and off-post well locations included in this DQO evaluation. **Figures 2** through **4** depict the individual monitoring networks for Plume 1/Bioreactor, Plume 2, and ISCO monitoring programs.

3.2 Off-Post Monitoring Program

Public and private off-post drinking water wells with historical VOC detections will be sampled in accordance with these project DQOs, the **Off-Post Monitoring Response Plan**, and the 2020 LTMO Update pending approval by the TCEQ and USEPA (see **Appendix C.2 and C.4**). Off-post groundwater sampling is conducted quarterly, in March, June, September, and December as part of the Plume 2 and ISCO groundwater monitoring programs. The list of wells to be included in each event is determined based on the decisions provided below.

Off-post drinking water wells will be analyzed for the VOC Short List (*cis*-1,2-DCE, PCE, TCE and VC), upon initial sampling. Metals will not be sampled in off-post wells because construction materials used for the off-post wells are not known. Since the program inception in 1995, metals detections above the appropriate action level or MCL have not been frequently detected in groundwater sampled from on-post monitoring, agricultural/livestock, and drinking water wells. Based on the infrequent and inconsistent on-post detections, metals have not been sampled in off-post monitoring activities.

Seven off-post wells (I10-4, LS-2, LS-6, LS-7, OFR-3, RFR-10, and RFR-11) have had historical sampling results exceeding the MCL for PCE and/or TCE and five of these wells (LS-6, LS-7, OFR-3, RFR-10, and RFR-11) have been equipped with GAC water treatment systems. A sixth GAC system is installed at LS-5 as a precautionary measure because of its proximity to wells LS-6 and LS-7 and the presence of TCE near the MCL. Pre-GAC samples will be collected quarterly to monitor the plume. Post-GAC samples will be collected semi-annually to confirm

GAC filtration is operating properly. Previous analytical results and GAC water treatment systems installed on these wells are available in **Volume 5**, **Groundwater** of the **CSSA Environmental Encyclopedia,** behind the **Off-Post Groundwater Monitoring Reports** Table of Contents. The property at well I10-4 was developed for commercial use in 2013, and the well was plugged as part of that land development.

Private drinking water wells (LS-5, LS-6, LS-7, OFR-3, RFR-10, and RFR-11) with a GAC system or any future wells with GAC systems installed will require semi-annual maintenance. Post-GAC samples will be collected to confirm each system's effectiveness during the next scheduled quarterly sampling event after maintenance has occurred.

Action levels for detection of VOCs and decisions to sample an off-post private well are based on the following (see also **Figure 5**):

- If VOC contaminant levels are ≥ 90% of the MCL based on preliminary data received from the laboratory [≥ 4.5 micrograms per liter (µg/L) for PCE and TCE] and the well is used as a potable water source, bottled water will be supplied within 24 hours of receipt of the data, and a confirmation sample will be collected from the well. The re-sampling will take place within 14 days of the receipt of the final validated analytical report. If the follow-up sampling confirms a COC is above MCLs, the residence or supply well will be evaluated and an appropriate method for wellhead protection, either installation of GAC or connection to an alternative water source will be selected. Cost related to the installation and maintenance of wellhead treatment equipment or connection to an alternative water source will be borne by CSSA.
- If VOC contaminant levels are ≥ 80% of the MCL during any single monitoring event based on preliminary data from the laboratory (4.0 µg/L for PCE and TCE) and the well is used as a potable water source, it shall be monitored **monthly**. If the follow-up sampling confirms a COC is ≥ 80% of the MCL, it will be re-sampled until the level falls below the 80% value. If the concentration increases to ≥ 90% of the MCL see above.
- If any VOC COC is detected at levels ≥ the method detection limit (MDL) (historically around 0.06 ppb for PCE and 0.05 ppb for TCE), and less than 80% of the MCL the well will be re-sampled on a **quarterly** basis. This sampling will be conducted concurrently with on-post sampling events and will be used to develop historical trends in the area. Quarterly sampling will continue for a minimum of one year, after which the sampling frequency will be reviewed and possibly decreased.
- If any VOC COC is detected at levels ≤ the MDL (U-Flagged [non-detect] results) or ≤ than the RL (F-Flagged detections), the sampling frequency will depend on the well owner requests, distance from CSSA, and duration of consecutive results as follows:
- If the sampling events were specifically requested by the well owner, the well is sampled quarterly until 4 consecutive quarters of non-detects (U-Flag) results are attained. Upon reaching that milestone, the well is moved to an annual sampling frequency.
- For those off-post wells greater than 1.5 miles from CSSA and with a sample result less than the RL (either U-Flag or F-Flag detections), the well will be retained and sampled on an as needed basis. The basis of "as needed" may include owner requests, regulator

requests, change in concentration or make-up of the plume requiring investigation, or in support of regional-scale plume mapping and modeling.

- For those off-post wells less than 1.5 miles from CSSA and with a sample result less than the RL (either U-Flag or F-Flag detections), the well will be retained and sampled on an annual basis. Sampling will continue until 5 consecutive years of U-Flag (non-detect) results have been attained. At that time groundwater sampling will be suspended from annual sampling, but the well will be retained in the program for future needs.
- If VOCs are not detected during the initial sampling event, (i.e. no VOC contaminant levels above the MDL), further sampling of the well would be considered on an as needed basis (e.g., owner requests, regulator requests, change in concentration or make-up of the plume, or in support of regional-scale plume mapping and modeling). A well that has no detectable VOCs can be removed from the monitoring program, unless plume migration could influence the well. The well owner will be apprised of any re-sampling decisions regarding the non-detect wells.

Action levels for detection of VOCs and decisions to sample an off-post public well are based on the following (see also **Figure 5**):

- If an off-post public supply system is ≥ 90% of the MCL, CSSA will coordinate solutions to the maximum extent feasible. The system operator and CSSA will determine the best course of action for providing potable water when data suggests an exceedance of the MCL. Possible options include:
  - Potable water could be brought in by tanker truck.
  - Potable water could be provided by another water system.
  - A wellhead treatment system (i.e., GAC) can be installed by CSSA.

Expansion or reduction of the off-post drinking water wells to be sampled will be dependent on an evaluation of previous results. The original LTMO recommendations for on-post wells were implemented in December 2005. In November 2009 a public meeting was held, and information regarding the LTMO study and possible changes to the off-post sampling program were presented. In 2010 the LTMO study was updated with 5 additional years of groundwater monitoring data. The updated LTMO plan was implemented at both on- and off-post locations in 2011.

In 2015, the on- and off-post LTMO study was updated with another 5 years of groundwater monitoring data which demonstrated the long-term stability of the plumes, and further refined the sampling approach. This 2015 DQO update reflects those recommendations presented in the 2015 LTMO, and provides a mechanism by which monitoring locations may be suspended from the prescribed monitoring program based upon distance from CSSA and the demonstration of prolonged contaminant concentrations below either the RL (F-Flagged data) or the MDL (non-detect U-Flagged data). In **Figure 5**, these locations are denoted as "DQO Exclusion Wells." These plans were approved by the TCEQ and USEPA in February 2016, and were implemented in December 2016.

Consistent with previous iterations, the 2020 on- and off-post LTMO study was updated with another 5 years of groundwater monitoring data which supported the long-term stability of the plumes, and further refined the sampling approach. This 2020 DQO update reflects those recommendations presented in the 2020 LTMO, which still includes provisions for removing off-

post wells from the routine schedule once they satisfy the DQOs. CSSA plans to implement the recommendations of the updated 2020 LTMO study, pending TCEQ and USEPA approval.

As off-post well owners will be notified by mail that their well is slated for removal from the sampling network. Each notification letter will include a graph or other visual representation of all past sampling results for the well. CSSA will maintain a list of well owner information, verified on a regular basis in conjunction with five-year reviews with the county appraisal district, for all off-post wells in the sampling program even if they are removed from the program in the future.

New off-post drinking water wells may be added to the program in the future. Locations of new wells to be sampled will be based on the inferred-flow direction of the off-post VOC plume derived from historical data. Concerns of area residential well owners or municipal water purveyors will be dealt with on a case-by-case basis. These decisions will be made based on the action levels given above. If a well owner outside of the 1.5-mile radius of CSSA requests a sample, that sampling, if done, would not be part of the DQO program. Additional information on the inclusion of off-post wells to the sampling program is available in **Volume 5, Groundwater**, of the **CSSA Environmental Encyclopedia**.

3.3 On-Post Monitoring Program

These DQOs establish frequencies and locations for sampling of on-post wells that are part of the Plume 1, Plume 2, Bioreactor, and ISCO monitoring programs. **Appendices C.1** through **C.4** are summaries presented in the 2015 and 2020 LTMOs illustrating the currently implemented and proposed sampling frequencies for on-post wells. As described above, the LTMO study has been updated in 2020, which essentially maintains the sampling locations and frequencies adopted in the 2015 LTMO. Based on the 2015 and 2020 LTMO evaluations, the sampling frequencies for the types of wells are discussed in Sections 3.3.1 and 3.3.2, below.

Prior to October 1999 all on-post wells have been tested for the complete list of VOCs or a selected short list of VOCs (8260B). The VOC Short List is revised in these DQOs to include *cis*-1,2-DCE, PCE, TCE, and VC. Methylene chloride, toluene, naphthalene, bromodichloromethane, bromoform, chloroform, dichlorodifluoromethane and dibromochloromethane were removed from this list in September 2006 based on statistical analysis of previous results provided from the 2005 LTMO study. The Baseline Risk Assessment of 2014 supported the removal of 1,1-DCE and *trans*-1,2-DCE from the target list of VOC analytes.

As presented in the 2015 DQOs, metals detections above the appropriate action level or MCL have not frequently occurred in groundwater sampled from on-post wells. Metals have been sampled in on-post monitoring, agricultural/livestock, and drinking water wells since 1995. The review of the occurrences of metals detections under previous project DQOs, statistical analyses as part of the 2005, 2010, and 2015 LTMO studies.

The statistical analysis by the 2015 LTMO shows that no metals have been consistently detected above MCLs, ALs, or SCLs. The most prevalent exceedance (17 out of 514 samples) has been for lead, but the concentration has shown a decreasing trend. The 3.3% exceedance rate for lead includes detections at three former agricultural wells, one Bexar Shale monitoring well, and two Lower Glen Rose wells; there has been no consistency of exceeding lead detections by location or over time. Cadmium has never exceeded the MCL in these wells, mercury only exceeded the MCL in one sample, and chromium only exceeded in three of 514 samples collected. Arsenic,

barium, and zinc were previously dropped from the regional groundwater monitoring program due to the lack of detections above MCLs/SCL.

Therefore, metals analyses have not been routinely collected from the basewide regional groundwater program since 2016. This DQO update continues that determination into the future.

3.3.1 On-Post Drinking Water Well Sampling

Compliance sampling for metals required under the Safe Drinking Water Act (SDWA) for CSSA's drinking water wells (CS-1, CS-10, CS-12, and CS-13) will be continued per TCEQ rules. Sampling required by the TCEQ related to the operation of the CSSA PWS is not covered under these DQOs.

However, as part of the CSSA environmental groundwater monitoring program, the drinking water wells are sampled quarterly for the VOC Short List and the current metals list of arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc. Wells CS-1, CS-10, CS-12, and CS-13 historical detections have been below the RL or non-detect and the sampling will ensure that on-post drinking water will continue to meet drinking water standards in the future. If the sampling recommendations in 2020 LTMO Update are approved by the USEPA and TCEQ, those quarterly frequencies will continue to be implemented for all on-post drinking water well sampling (**Appendix C.1**).

3.3.2 On-Post Monitoring Wells

Upon regulatory approval, the existing on-post monitoring wells and open borehole agricultural wells will continued to be sampled for the VOC Short List only, at the frequencies set out in the 2020 LTMO study (see **Appendices C.1 through C.4**). As proposed, the base monitoring period for most on-post wells will be 15 months. A select few of upgradient wells with no historical VOCs detections will be sampled on a 30-month schedule. A list of all existing on-post monitoring wells present at CSSA and the date and rationale for their installation, is included in **Appendix D**.

The wells associated with the Bioreactor remediation system will be sampled on a 9-month schedule. This includes the 7 extraction wells, 4 Westbay® equipped wells (WB05 through WB08), and 8 shallow UGR wells. The Westbay® equipped wells will be sampled for the VOC Short List at the frequencies recommended in the LTMO (see **Appendix C**). Specific inorganic analyses (cations, anions, metals) and microbial samples will continue to be collected to monitor the progress of the remediation effort. Additional operational sampling as required by the TCEQ Underground Injection Control (UIC) permit will continue to be collected and reported on a quarterly basis.

Groundwater samples associated with the ISCO treatability study will continue to be sampled for VOCs, inorganics (cations, anions, metals), and other performance monitoring criteria as dictated by the collective planning team (Section 1.2).

If the sampling recommendations in 2020 LTMO Update are approved by the USEPA and TCEQ, those frequencies will be continued for all on-post well sampling.

3.4 Water Levels

Water levels will be collected from all available wells at least quarterly. Water level gradient/potentiometric maps will be prepared separately for each formation of the Middle Trinity Aquifer.

Westbay® profiling will be conducted every 15 months at the 4 southern Westbay® wells WB01 through WB04. Westbay® wells WB05 through WB08 are part of the bioreactor at SWMU B-3, and will be profiled at a 9-month frequency.

3.5 New Monitoring Wells

No new monitoring wells are scheduled for installation at this time. If additional monitoring wells are installed, the following procedures have been outlined. No coring will be performed for future well installations. Geophysical and video surveying will be conducted for each borehole. Other well construction details will be set out in specific scope of work documents. For cost effectiveness, based on the data obtained during drilling of numerous wells at CSSA, geophysical logging is sufficient for identifying geologic strata.

Each newly installed monitoring well will be sampled at the first event for the full list of VOCs, metals (arsenic, cadmium, lead, mercury, barium, chromium, copper, and zinc) and selected groundwater quality parameters (bromide, chloride, fluoride, nitrate, nitrite, sulfate, alkalinity [SW9046], TDS, pH, resistivity, alkalinity, bicarbonate [E310.1]). Subsequent monitoring events will utilize the VOC Short List only. At least four consecutive quarterly sampling events will be conducted for a newly installed monitoring well. Future sampling frequencies will be scheduled depending upon the 2020 LTMO study recommendations for the well type and data need.

Dataloggers and transducers will be installed at selected on-post monitoring wells. Additional transducers may be installed in future wells. Each datalogger continuously collects and stores information regarding static water level, water temperature, and/or conductivity.

Upon completion of well development, dedicated low-flow pumps will be purchased and installed in each new monitoring well. The pumps will be pneumatically-operated bladder pumps consistent with the monitoring system already existing at CSSA.

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STEP 4
DEFINE THE BOUNDARIES OF THE STUDY

The study boundary is not limited to the confines of the installation. The outer limit of the study boundary is based on detections of VOCs in on- and off-post drinking water wells. Plume 1 and Plume 2 are currently used to define the area(s) impacted by past military activities. The present study boundary is based on over 20 years of quarterly monitoring activities which involves the monitoring of the Upper Glen Rose (UGR) formation (Upper Trinity aquifer) and the three formational members in the Middle Trinity aquifer (Lower Glen Rose [LGR], Bexar Shale [BS], and Cow Creek [CC]).

Plume boundaries for the LGR for the COCs PCE, TCE and *cis*-1,2-DCE are shown on **Figures 6** through **8**, as of December 2019. It is not anticipated that expansion of this boundary will be necessary, but if unexpected analytical results occur, expansion will be considered in consultation with the TCEQ and USEPA.

At a minimum the following factors will be evaluated:

- Wet and dry seasonal variations;
- Rainfall impacts on plume or potential plume migration and groundwater recharge;
- Evaluation of remediation effectiveness;
- Fault and fracture location and size, and orientation that promote or retard plume migration; and
- CSSA will continue to monitor wells for the foreseeable future to make technically sound judgments to sample additional wells or exclude them from our sampling set.

Quarterly reports will summarize the findings of each monitoring event and an annual report will be prepared to describe trends and factors impacting the data. These reports will address groundwater elevations, contaminant concentrations, data gaps, and other pertinent information. Additionally, this data will be reported in the Five-Year Review conducted under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

Constraints to the groundwater project include, but are not limited to:

- Frequency of monitoring.
- Securing access agreements with off-post well owners.
- Frequency of rainfall events.
- Plugging and abandonment of off-post wells by private landowners and commercial developments.

4.1 Project Schedule

The quarterly monitoring timeline provides a road map for sampling, analysis, validation, verification, reviews, and reports for monitoring events both on- and off-post. A timeline is given in **Figure 9** for preparation of quarterly reports and planning of sampling events. Explanations for schedules associated with sampling events are given below.

4.1.1 Definitive Data Reports (Drinking Water and Monitoring Well)

The following schedules for submittals related to the data reports will be followed. These time frames allow for adequate planning for the next quarterly sampling event, which will take place within 90 days from previous sampling date.

- Drinking water analytical data are to be provided by the laboratory to the prime contractor within 21 calendar days of the last sampling day. Un-validated on- and off-post drinking water analytical data generated by each approved laboratory will be provided in 21 calendar days and distributed to CSSA immediately thereafter. The laboratory will provide the finalized analytical data in 30 calendar days.
- Off-post GAC preliminary data are to be provided to the prime contractor within seven days of receipt of the samples by the laboratory.
- To the maximum extent practicable, data validation reports, draft quarterly on- and off-post groundwater monitoring reports, and letters to off-post well owners will be provided to CSSA, where applicable, 60 days from the sample date.
- On- and off-post analytical groundwater (for up to 40 on-post and 40 off-post samples collected) data packages will be validated in accordance with the CSSA QAPP, 60 days from the sample date. If more than 40 samples are collected, Parsons will contact CSSA and discuss acceptable turn-around times for data validation. The Quarterly On- and Off-Post Groundwater Reports will also be submitted for CSSA review at this time.
- CSSA will provide comments to the draft report and letters within 10 days.
- Quarterly Groundwater Monitoring Reports and well owner notification letters will be finalized after CSSA approval within 80 days of sampling date.

4.1.2 Screening Data Reports (Discrete interval, soil/rock, and IDM samples)

Preliminary results for discrete interval analytical data collected during well installations are to be provided by the laboratory to the prime contractor within 24 hours of receipt of the samples by the laboratory.

Prime contractor will review and provide approved preliminary discrete interval data to CSSA within two days of the receipt of the preliminary data from the laboratory.

Investigation derived media (IDM) analytical data are to be provided by the laboratory to the prime contractor within 24 hours, three days, or seven days of receipt of the samples by the laboratory, depending on the purpose of sampling. IDM will be sampled in accordance with the provisions of the **RFI and Interim Measures Waste Management Plan** (Parsons, 2002).

The prime contractor will review and provide approved IDM data to CSSA within 14 days of the receipt of the data package from the laboratory.

Prime contractor will review and provide approved GAC screening sample data to CSSA within 14 days of the receipt of the data package from the laboratory.

4.1.3 Westbay® Multi-Level Sampling Device Reports

Discrete interval analytical screening data are to be provided by the laboratory to the prime contractor within 21 days of receipt of the samples by the laboratory.

Prime contractor will review and provide approved discrete interval data to CSSA within 30 days of receipt of the preliminary data from the laboratory. The evaluation of screening data will include a check on sample integrity, method blank, and laboratory control sample (LCS).

Pressure/transducer data shall be collected from the Westbay® and In-Situ transducer devices and provided to CSSA in the annual report.

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STEP 5
DEVELOP A DECISION RULE

Refer to Step 2 of these DQOs for decision processes related to the groundwater monitoring.

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STEP 6
SPECIFY TOLERABLE LIMITS ON DECISION ERRORS

Currently, the CSSA Quality Assurance Project Plan (QAPP) is being utilized by CSSA. The CSSA QAPP (approved January 16, 2003) is applicable to task orders funded since that date. The QAPP specifies required reporting limits and control limits for all site interested parameters.

Specific variances to the QAPP have been approved by the USEPA and TCEQ and are located in the CSSA Environmental Encyclopedia, **Volume 1.4 Sampling and Analysis Plan, CSSA Quality Assurance Project Plan**. For the CSSA drinking water program, CSSA has developed very stringent rules to protect human health above and beyond the regulatory requirements. The groundwater monitoring presented in this DQO document is a long-term program to delineate the extent of each VOC plume. These DQOs do not require the use of matrix spike, matrix spike duplicates, or field duplicates. However, CSSA elects to include these quality assurance/quality control (QA/QC) parameters for all definitive data collected. Parsons has periodically audited the subcontract lab used for CSSA. The last audit was conducted in August 2007. The laboratory satisfactorily addressed all audit findings, and audit reports were completed and submitted to CSSA.

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STEP 7
OPTIMIZE THE DESIGN FOR OBTAINING DATA

From the onset of the groundwater monitoring program in the 1990's, CSSA implemented a generic quarterly groundwater monitoring schedule for the sampling of all groundwater wells in the program. In 2005, CSSA initiated the first LTMO study, which implemented a three-tiered methodology, and included data compilation and site screening, qualitative evaluation decision logic, temporal trend evaluations, and spatial statistical analyses. The first LTMO report was submitted May 2005 for review by USEPA and TCEQ, and was approved for on-post implementation only in December 2005. The LTMO program was implemented at CSSA in 2006.

Subsequently, an updated version of the LTMO was submitted in November 2010 which included recommendations based on the collection of an additional 5 years of groundwater data. On February 16, 2011, Mr. Greg Lyssy of the USEPA approved implementing the 2010 LTMO recommendations. The TCEQ followed suit on March 21, 2011, concurring with the USEPA approval of the LTMO recommendations for both on- and off-post well sampling programs (**Appendix A**).

An updated 2015 LTMO for both on- and off-post well locations with five years of additional data was submitted to the regulators for review and approval in January 2016. The 2015 LTMO evaluation was approved by the TCEQ on April 22, 2016 and the USEPA on April 29, 2016.

Currently, the 2020 LTMO was performed using the 3TMO software protocol, which was developed by Parsons and Environ International Corp. on behalf of the Air Force Center for Engineering and the Environment (AFCEE) in 2011. 3TMO is a comprehensive, public domain LTMO decision support tool that uses a combination of statistics and professional judgment in a structured protocol to optimize sampling locations, sampling frequency, and target analytes for monitoring wells with no loss of required information. Results of the 3TMO analysis were used to assess the optimal frequency of monitoring and the spatial distribution of the components of the monitoring network, and were also used to develop recommendations for optimizing the monitoring program at CSSA.

Upon approval, the 2020 LTMO recommendations will be implemented. CSSA elected to perform the 2005, 2010, 2015, and 2020 LTMO studies because optimizations can assure proper remedial decisions are made and streamline future data collection over the life of a monitoring program. CSSA will continue to utilize LTMO reviews in the future to continue to optimize the design for obtaining data under these DQOs.

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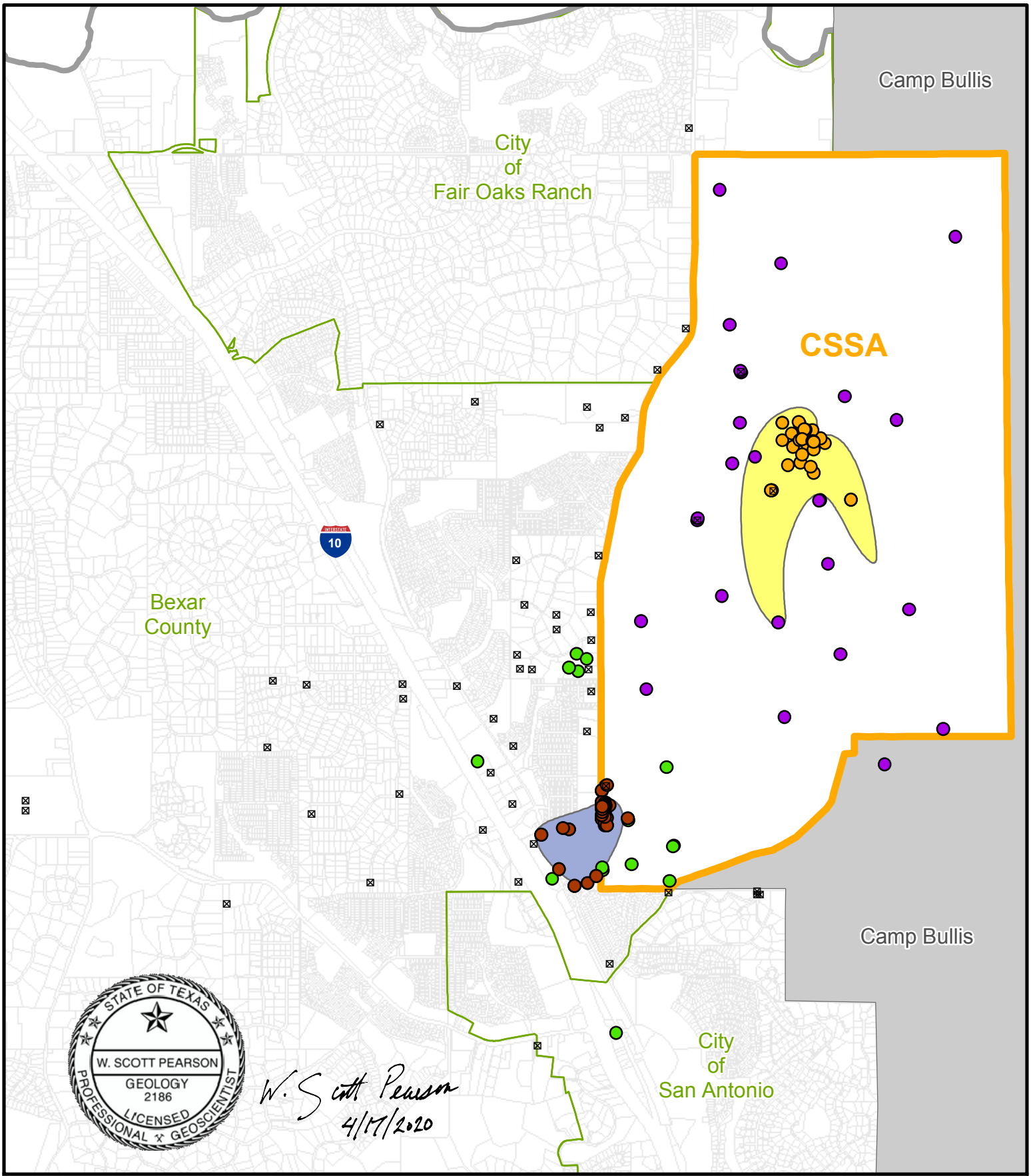

Figure 1

CSSA Monitoring Well Network
March 2020

Camp Stanley Storage Activity

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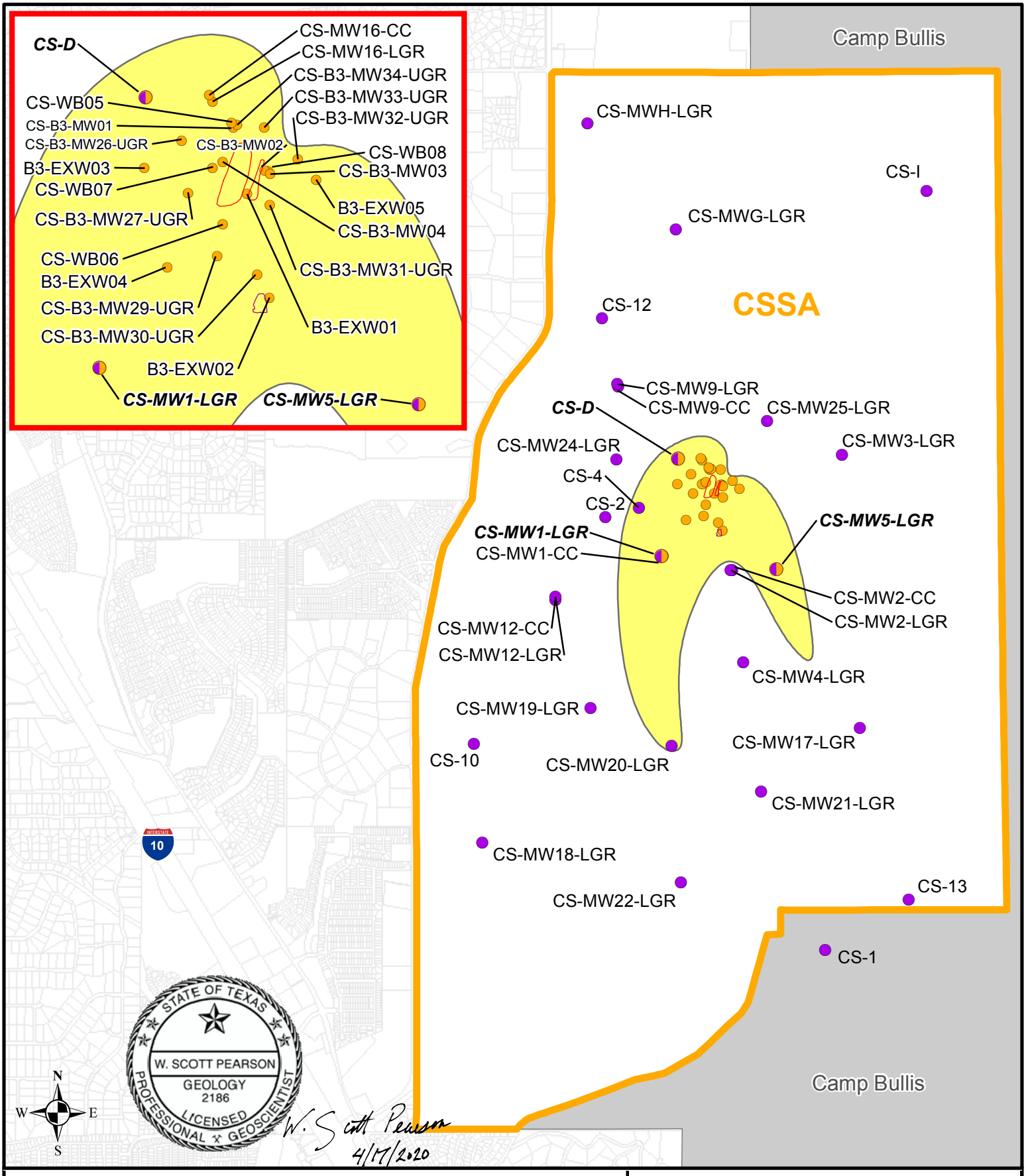

Figure 2

Plume1 & Bioreactor Monitoring Program March 2020

Camp Stanley Storage Activity

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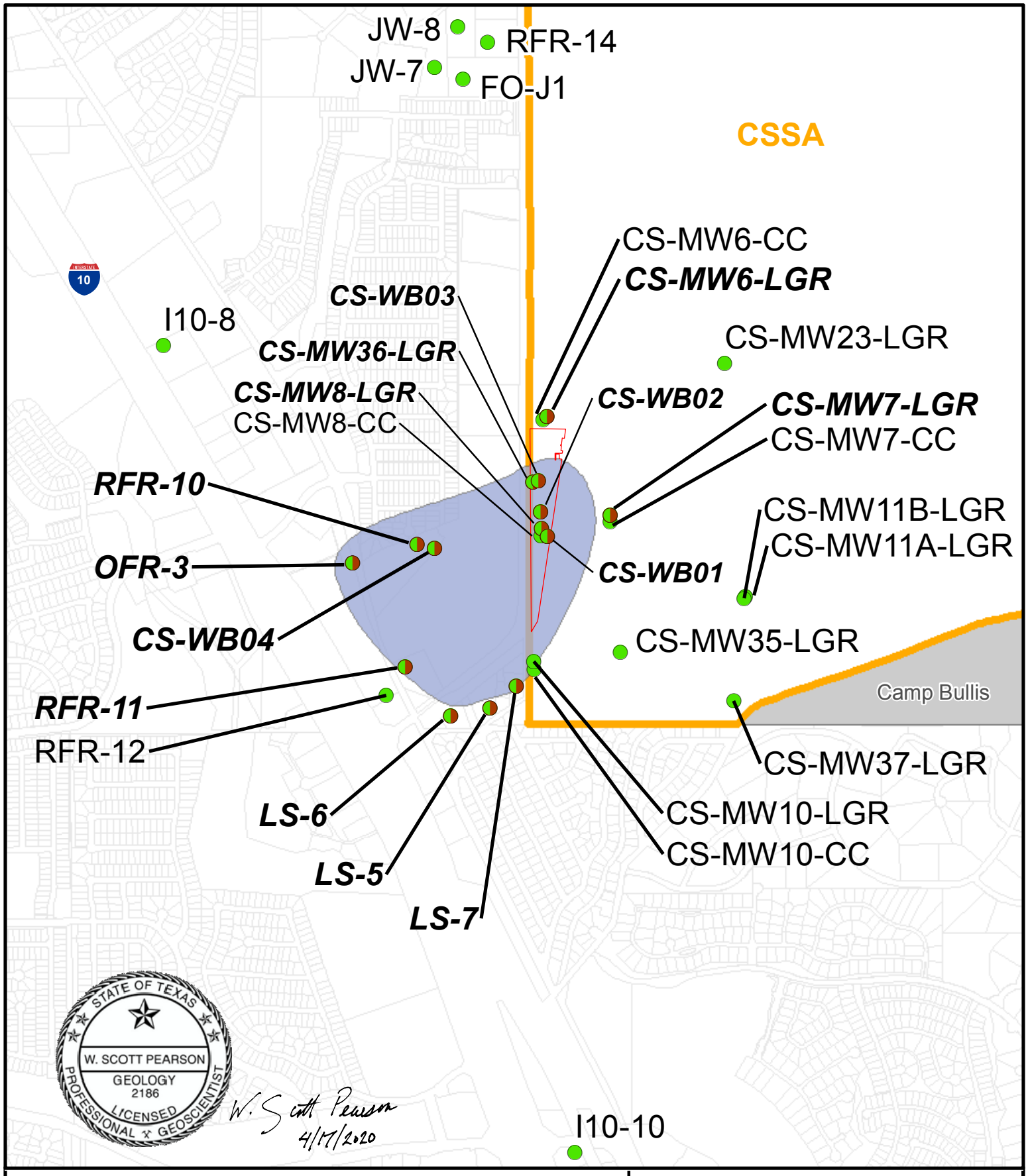

Figure 3

Plume 2 Monitoring Prgram
March 2020

Camp Stanley Storage Activity

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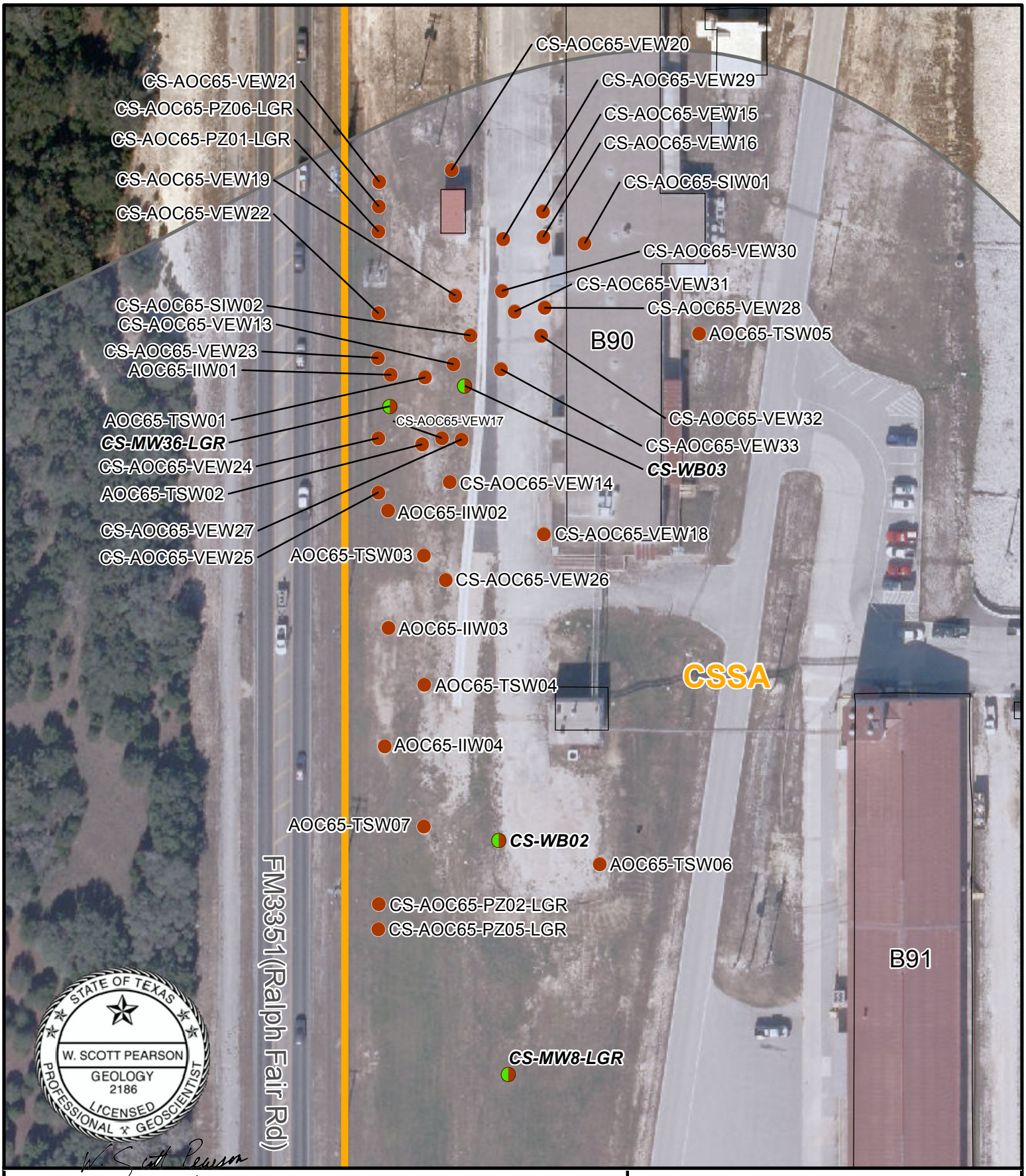

Figure 4

ISCO Monitoring Program
March 2020

Camp Stanley Storage Activity

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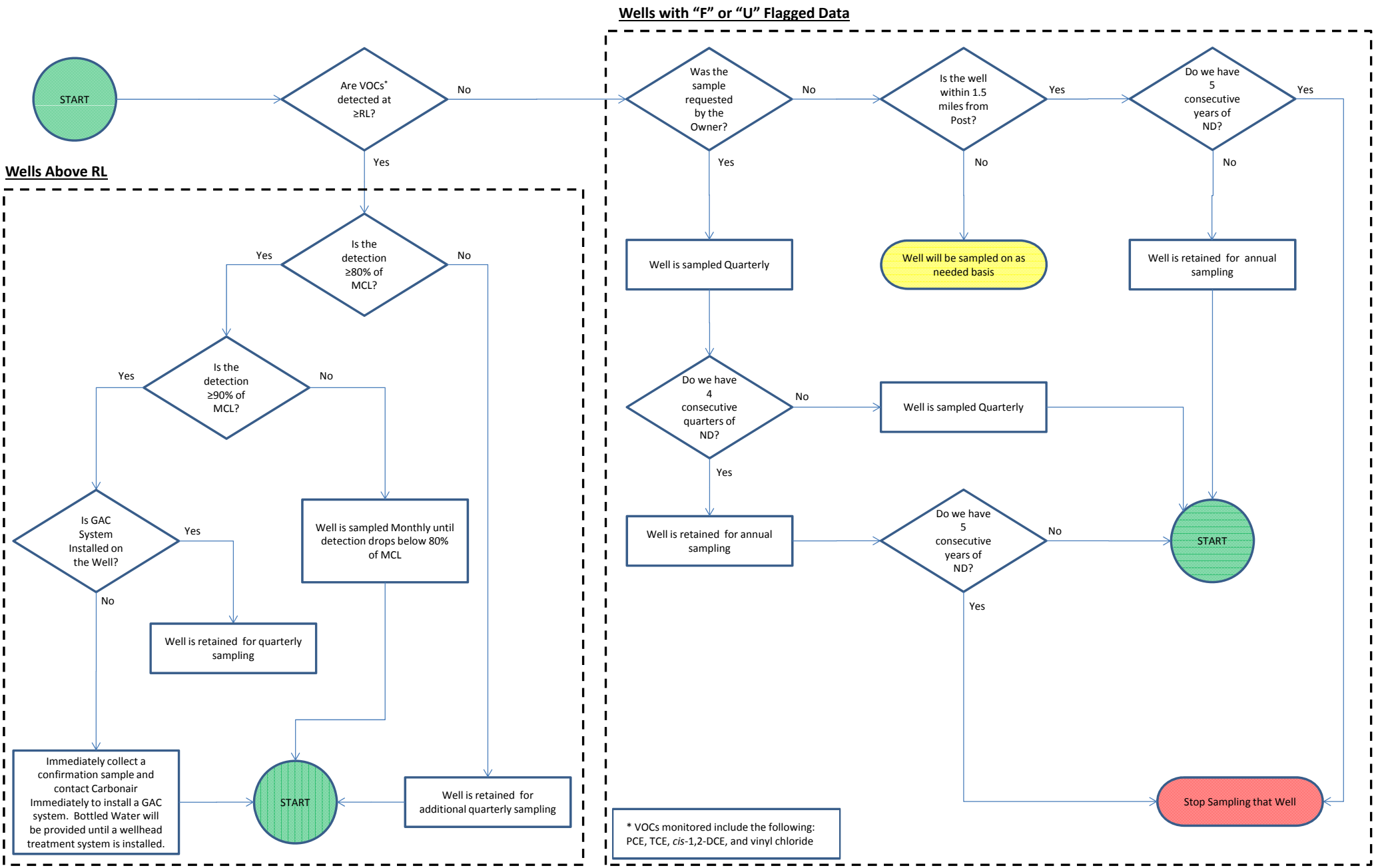
FIGURE 5 - OFF-POST WELLS DECISION TREE



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Wells with PCE detection above MCL
Wells with PCE detection above RL
Wells with PCE detection below RL
ND (< 0.06)

Parcels
CSSA
Salado Creek
Faults

PCE Concentrations (µg/L)
1.4 (RL)
5.00 (MCL)
10.00
100.00

CS-WB01-LGR-01	2.84
CS-WB01-LGR-02	12.03
CS-WB01-LGR-03	3.89
CS-WB01-LGR-04	ND
CS-WB01-LGR-05	ND
CS-WB01-LGR-06	ND
CS-WB01-LGR-07	13.32
CS-WB01-LGR-08	ND
CS-WB01-LGR-09	9.79
CS-WB02-LGR-03	1.96
CS-WB02-LGR-04	2.99
CS-WB02-LGR-05	0.35F
CS-WB02-LGR-06	1.76
CS-WB02-LGR-07	ND
CS-WB02-LGR-08	ND
CS-WB02-LGR-09	5.44
CS-WB03-LGR-01	923.88
CS-WB03-LGR-03	2.61
CS-WB03-LGR-04	15.95
CS-WB03-LGR-05	14.48
CS-WB03-LGR-06	ND
CS-WB03-LGR-07	ND
CS-WB03-LGR-08	ND
CS-WB03-LGR-09	2.01
CS-WB04-LGR-01	1.25F
CS-WB04-LGR-03	ND
CS-WB04-LGR-04	ND
CS-WB04-LGR-06	17.37
CS-WB04-LGR-07	1.88
CS-WB04-LGR-08	0.86F
CS-WB04-LGR-09	10.03
CS-WB04-LGR-10	2.67
CS-WB04-LGR-11	2.99

ND - no detection above the method detection limit
F- detection above the MDL but below the reporting limit (RL),

CS-D 6.66
CS-MW16-LGR 30.22
CS-WB05-LGR-04B 96.21
CS-WB07-LGR-04 177.81
CS-WB08-LGR-04 2.65
CS-EXW05-LGR 51.29
CS-EXW01-LGR 80.59
CS-WB06-LGR-03A 5.28
CS-WB06-LGR-04 22.26
CS-MW5-LGR 2.67
CS-MW17-LGR 0.70F
CS-MW20-LGR 1.52
CS-EXW03-LGR 63.75
CS-EXW04-LGR 89.88
CS-MW1-LGR 14.27
CS-EXW02-LGR 43.93
CS-MW19-LGR 0.79F
B-3

CS-MW36-LGR 9.09
CS-MW8-LGR 2.47
CS-WB03-LGR-01 923.88
CS-WB02-LGR-04 2.99
CS-MW7-LGR 1.37F
CS-WB01-LGR-07 13.32
RFR-10 8.62
OFR-3 7.99
CS-WB04-LGR-06 17.37
CS-MW11A-LGR 0.78F
CS-MW35-LGR 0.54F
CS-MW10-LGR 1.47
RFR-11 1.43
LS-6 1.07F
LS-5 0.97F
LS-7 1.42
AOC-65

I-10
Old Fredericksburg Rd.
Ralph Fair Rd.

N
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0 2,500 5,000 Feet

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10487
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PROFESSIONAL GEOSCIENTIST

4/17/2020

Inset Map
B-3 Bioreactor

CS-D 6.66
CS-MW16-LGR 30.22
CS-WB05-LGR-04B 96.21
CS-WB07 177.81
CS-WB08-LGR-04 2.65
CS-EXW05-LGR 51.29
CS-EXW01-LGR 80.59
CS-EXW03-LGR 63.75
CS-WB06-LGR-03A 5.28
CS-WB06-LGR-04 22.26
CS-MW1-LGR 14.27
CS-EXW02-LGR 43.93
CS-EXW04-LGR 89.88
CS-MW5-LGR 2.67
CS-MW20-LGR 1.52
CS-MW19-LGR 0.79F

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CS-WB03-LGR-01 923.88
CS-WB02-LGR-04 2.99
CS-MW36-LGR 9.09
CS-WB04-LGR-06 17.37
CS-MW8-LGR 2.47
RFR-10 8.62
CS-MW7-LGR 1.37F
CS-WB01-LGR-07 13.32
CS-MW35-LGR 0.54F
OFR-3 7.99
CS-MW10-LGR 1.47
RFR-11 1.43
LS-6 1.07F
LS-5 0.97F
LS-7 1.42

Figure 6

PCE Concentrations for LGR Wells, December 2019

PARSONS

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Wells with TCE detection above MCL
Wells with TCE detection above RL
Wells with TCE detection below RL
ND (< 0.06)

Parcels
CSSA
Salado Creek
Faults

TCE Concentrations (µg/L)
1.0 (RL)
5.00 (MCL)
10.00
100.00

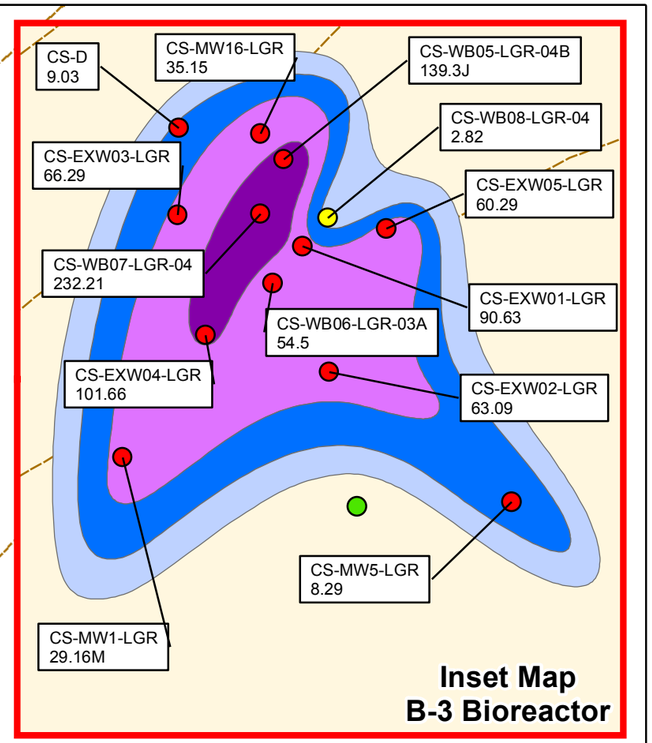
CS-WB01-LGR-01	0.99F
CS-WB01-LGR-02	1.87
CS-WB01-LGR-03	8.09
CS-WB01-LGR-04	ND
CS-WB01-LGR-05	ND
CS-WB01-LGR-06	6.83
CS-WB01-LGR-07	12.64
CS-WB01-LGR-08	ND
CS-WB01-LGR-09	11.07
CS-WB02-LGR-03	ND
CS-WB02-LGR-04	4.27
CS-WB02-LGR-05	1.11
CS-WB02-LGR-06	1.64
CS-WB02-LGR-07	ND
CS-WB02-LGR-08	ND
CS-WB02-LGR-09	5.18
CS-WB03-LGR-01	53.94
CS-WB03-LGR-03	ND
CS-WB03-LGR-04	5.50
CS-WB03-LGR-05	6.16
CS-WB03-LGR-06	ND
CS-WB03-LGR-07	2.17
CS-WB03-LGR-08	ND
CS-WB03-LGR-09	1.53
CS-WB04-LGR-01	ND
CS-WB04-LGR-03	ND
CS-WB04-LGR-04	ND
CS-WB04-LGR-06	9.18
CS-WB04-LGR-07	15.65
CS-WB04-LGR-08	ND
CS-WB04-LGR-09	6.89
CS-WB04-LGR-10	ND
CS-WB04-LGR-11	ND

ND - no detection above the method detection limit
F- detection above the MDL but below the reporting limit (RL),

CS-D 9.03
CS-MW16-LGR 35.15
CS-WB05-LGR-04B 139.3J
CS-EXW03-LGR 66.29
CS-WB08-LGR-04 2.82
CS-EXW05-LGR 60.29
CS-WB07-LGR-04 232.21
CS-EXW01-LGR 90.63
CS-EXW04-LGR 101.66
CS-WB06-LGR-03A 54.5
CS-WB06-LGR-04 17.33
CS-MW1-LGR 29.16M
CS-MW5-LGR 8.29
CS-EXW02-LGR 63.09
B-3
CS-MW36-LGR 10.25
CS-WB03-LGR-01 53.94
CS-WB04-LGR-07 15.65
RFR-10 3.70
OFR-3 4.09
CS-WB02-LGR-09 5.18
RFR-11 2.01
CS-WB01-LGR-07 12.64
RFR-12 0.63F
CS-MW10-LGR 0.33F
LS-6 1.05
LS-5 3.02
LS-7 0.33F
AOC-65

Salado Creek
I-10
Old Fredericksburg Rd
Ralph Fair Rd.

Inset Map
B-3 Bioreactor



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AOC-65

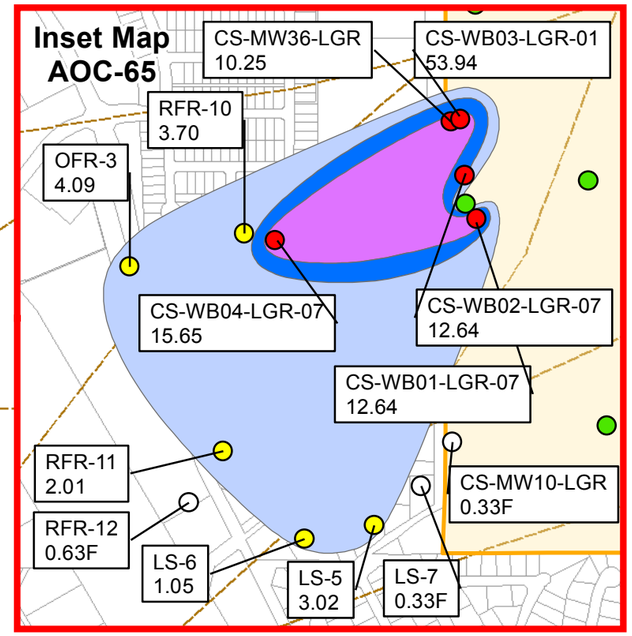

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Figure 7

TCE Concentrations for
LGR Wells, December 2019

PARSONS

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Wells with DCE detection above MCL
Wells with DCE detection above RL
Wells with DCE detection below RL
ND (< 0.06)

Parcels
CSSA
Salado Creek
Faults

DCE Concentrations (µg/L)
1.2 (RL)
10.00
70.00 (MCL)
100.00

CS-WB01-LGR-01	ND
CS-WB01-LGR-02	ND
CS-WB01-LGR-03	ND
CS-WB01-LGR-04	0.84F
CS-WB01-LGR-05	2.81
CS-WB01-LGR-06	3.55
CS-WB01-LGR-07	ND
CS-WB01-LGR-08	17.81
CS-WB01-LGR-09	ND
CS-WB02-LGR-03	ND
CS-WB02-LGR-04	ND
CS-WB02-LGR-05	0.43F
CS-WB02-LGR-06	1.03F
CS-WB02-LGR-07	1.22
CS-WB02-LGR-08	3.43
CS-WB02-LGR-09	ND
CS-WB03-LGR-03	ND
CS-WB03-LGR-04	2.17
CS-WB03-LGR-05	3.52
CS-WB03-LGR-06	5.82
CS-WB03-LGR-07	2.81
CS-WB03-LGR-08	2.05
CS-WB03-LGR-09	ND
CS-WB04-LGR-01	ND
CS-WB04-LGR-03	ND
CS-WB04-LGR-04	ND
CS-WB04-LGR-06	3.59
CS-WB04-LGR-07	15.38
CS-WB04-LGR-08	ND
CS-WB04-LGR-09	ND
CS-WB04-LGR-10	ND
CS-WB04-LGR-11	ND

ND - no detection above the method detection limit
F- detection above the MDL but below the reporting limit (RL),

CS-MW16-LGR 31.86
CS-WB05-LGR-04B 267.46J
CS-D 5.86
CS-WB08-LGR-01 12.15
CS-WB07-LGR-04 276.53
CS-EXW05-LGR 55.4
CS-EXW03-LGR 63.38
CS-EXW01-LGR 111.63
CS-WB06-LGR-03A 96.49
CS-MW5-LGR 10.77
B-3
CS-EXW04-LGR 107.58
CS-MW1-LGR 19.63M
CS-EXW02-LGR 46.63
CS-MW2-LGR 0.38F
CS-MW36-LGR 0.28F
CS-WB03-LGR-06 5.82
CS-WB02-LGR-08 3.43
RFR-10 0.44F
CS-WB01-LGR-08 17.81
AOC-65
CS-WB04-LGR-07 15.38
I10-10

Salado Creek
I-10
Old Fredericksburg Rd.
Ralph Fair Rd.

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CS-D 5.86
CS-WB07-LGR-04 276.53
CS-EXW03-LGR 63.38
CS-EXW05-LGR 55.4
CS-WB06-LGR-03A 96.49
CS-WB08-LGR-01 12.15
CS-EXW04-LGR 107.58
CS-EXW01-LGR 111.63
CS-EXW02-LGR 46.63
CS-MW1-LGR 19.63M
CS-MW2-LGR 0.38F
CS-MW5-LGR 10.77

Inset Map AOC-65

CS-WB03-LGR-06 5.82
CS-MW36-LGR 0.28F
CS-WB02-LGR-08 3.43
RFR-10 0.44F
CS-WB01-LGR-08 16.12
CS-WB04-LGR-07 15.38

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4/17/2020

Figure 8

DCE Concentrations for LGR Wells, December 2019

PARSONS

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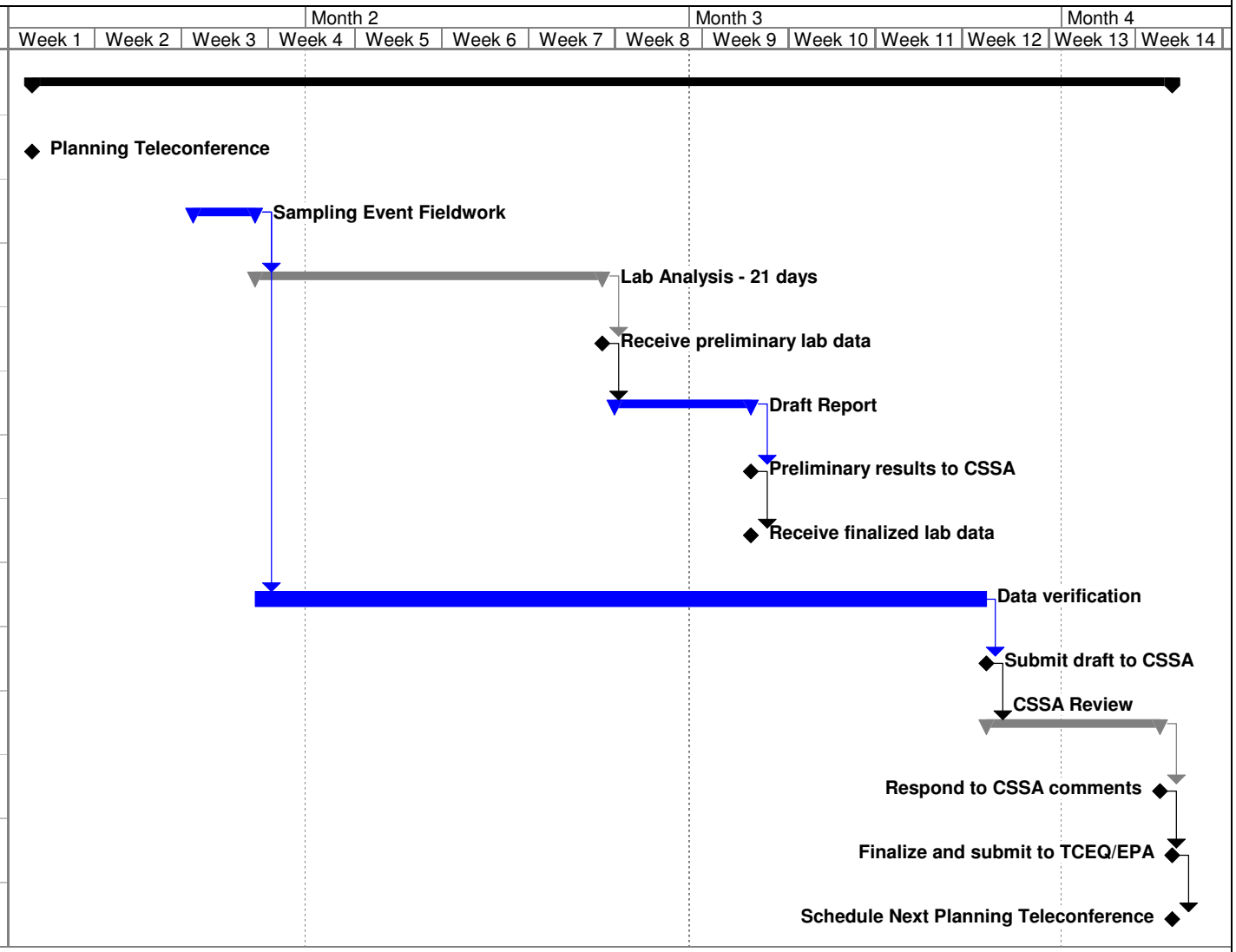
Figure 9 - Timeline for Groundwater Sampling

ID	Task Name
1	**Groundwater Sampling and Report Preparation**
2	Planning Teleconference
3	Sampling Event Fieldwork
4	Lab Analysis - 21 days
5	Receive preliminary lab data
6	Draft Report
7	Preliminary results to CSSA
8	Receive finalized lab data
9	Data verification
10	Submit draft to CSSA
11	CSSA Review
12	Respond to CSSA comments
13	Finalize and submit to TCEQ/EPA
14	Schedule Next Planning Teleconference



Project: CSSA Schedule

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

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Appendix A

Approval from USEPA and TCEQ for Previous DQOs and Implementation of LTMO Recommendations

February 29, 2016	USEPA approval of the 2015 LTMO
February 22, 2016	TCEQ approval of the 2015 Three-Tiered Long Term Monitoring Network Optimization Evaluation, Data Quality Objectives - Groundwater Monitoring Program, and Synopsis of Metals Detections in Camp Stanley Groundwater – Compendium Document to the 2015 Data Quality Objectives and Long-Term Monitoring Optimization Documents
April 21, 2014	USEPA approval of the January 2014 Baseline Risk Assessment
March 21, 2011	TCEQ concurrence of the USEPA approval of the November 2010 LTMO Evaluation and DQOs (On- and Off-Post)
February 16, 2011	USEPA approval of the November 2010 LTMO Evaluation and DQOs (On- and Off-Post)
October 30, 2008	Environmental Project Status Update
December 19, 2006	TCEQ's approval of August 2006 DQO update
December 19, 2005	TCEQ's conditional approval of LTMO Evaluation
November 16, 2005	USEPA approval of LTMO Evaluation, on-post only
April 20, 2004	TCEQ approval of November 2003 DQOs
August 26, 2002	Letter requesting approval or comment to the April 2002 DQOs

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Transmitted via email

April 29, 2016

Mr. Jason D. Shirley
Installation Manager
Camp Stanley Storage Activity
25800 Ralph Fair Road
Boerne, TX 78015-4800

RE: *RCRA Three Tiered Long Term Monitoring Network Optimization Evaluation*
Camp Stanley Storage Activity, Boerne, Texas

Dear Mr. Shirley:

The Three Tiered Long Term Monitoring Network Optimization (LTMO) Evaluation, dated January 11, 2016, for Camp Stanley Storage Activity (CSSA), has been reviewed by the U.S. EPA (EPA) in accordance with the final Resource Conservation and Recovery Act (RCRA) § 3008(h) Administrative Order on Consent for CSSA, (Order) Docket No. RCRA-VI 002(h)99-H FY99, dated May 5, 1999.

The purpose of the LTMO Evaluation is to ensure that the groundwater monitoring program adequately addresses the monitoring requirements of the remedial actions at the Site, both temporally and spatially. CSSA has been collecting groundwater data since 1991, and has optimized the monitoring program several times to ensure that an adequate monitoring program is in place. The proposed sampling schedule in the LTMO Evaluation meets the temporal and spatial objectives of the CSSA groundwater monitoring program and is hereby approved.

If you have any questions, please feel to contact me at 214-665-8317 or via e-mail at *lyssy.gregory@epa.gov*.

Sincerely,

Greg J. Lyssy

Greg J. Lyssy
Senior Project Manager
RCRA Corrective Action Section (6MM-RC)

cc: Felicia Kraintz, CSSA
Amanda Pirani, TCEQ
Jorge Salazar, TCEQ
Laurie King, EPA
Julie Burdey, Parsons

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 22, 2016

Mr. Jason Shirley
Installation Manager
Camp Stanley Storage Activity
25800 Ralph Fair Road
Boerne, TX 78015

Re: Approval
- *Three-Tiered Long Term Monitoring Network Optimization Evaluation*, dated January 11, 2016
- *Data Quality Objectives - Groundwater Monitoring Program*, dated February 2, 2016
- *Synopsis of Metals Detections in Camp Stanley Groundwater – Compendium Document to the 2015 Data Quality Objectives and Long-Term Monitoring Optimization Documents*, dated January 28, 2016

Camp Stanley Storage Activity, Boerne, Texas
TCEQ SWR No. 69026, CN602728206, RN100662840
EPA ID No. TX2210020739

Dear Mr. Shirley:

The Texas Commission on Environmental Quality (TCEQ) has reviewed the above-referenced submittals. The reports were submitted in accordance with the final Resource Conservation and Recovery Act (RCRA) §3008(h) Administrative Order on Consent (Order) for Camp Stanley Storage Activity, dated May 5, 1999. The reports provide adequate documentation and rationale to support the recommendations and revisions contained therein. The TCEQ approves the Three-Tiered Long Term Monitoring Network Optimization Evaluation, Data Quality Objectives (DQOs) – Groundwater Monitoring, and Synopsis of Metals Detections in Camp Stanley Groundwater as submitted with the following comment:

- The groundwater monitoring DQOs were revised such that the volatile organic compound (VOC) list was reduced from six compounds to four [dropping 1,1-dichloroethene (1-1-DCE) and *trans*-1,2-dichloroethene (trans-1,2-DCE) while retaining tetrachloroethene, trichloroethene, and *cis*-1,2-dichloroethene (*cis*-1,2-DCE)]. If future groundwater analytical results document significant increases in *cis*-1,2,-DCE, the TCEQ requests that CSSA consider evaluating whether 1,1-DCE and *trans*-1,2-DCE should again be added to VOC analyte list.

Questions concerning this letter should be directed to me at (512) 239-6526. Thank you for your continued cooperation.

Sincerely,

Amanda Pirani, P.G., Project Manager
Team 1, VCP-CA Section
Remediation Division
Texas Commission on Environmental Quality

AP/mdh

cc: Ms. Felicia Kraintz, Environmental Program Manager, Camp Stanley Storage Activity (PDF)
Mr. Greg Lyssy, Senior Project Manager, U.S. EPA, Region 6 (PDF)
Ms. Julie Burdey, P.G., Parsons (PDF)
Mr. Jorge Salazar, Federal Facilities Coordinator, TCEQ Region 13 Office (PDF)
Mr. Cameron Lopez, Waste Program Manager, TCEQ Region 13 Office (PDF)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Transmitted via e-mail

April 21, 2014

MEMORANDUM

FROM: *Greg J. Lyssy*
Senior Project Manager
Federal Facilities Section (6PD-F)

TO: Gabriel Moreno-Fergusson
Environmental Manager
CSSA

Kirk Coulter
Project Manager
TCEQ

RE: *Baseline Risk Assessment*
Camp Stanley Storage Activity, Boerne, Texas

The Baseline Risk Assessment, dated January 7, 2014, for Camp Stanley Storage Activity (CSSA) has been reviewed by the U.S. EPA in accordance with the final Resource Conservation and Recovery Act (RCRA) Section 3008(h) Administrative Order on Consent (Order) for the Camp Stanley Storage Activity (CSSA), Docket No. RCRA-VI 002(h)99-H FY99, dated May 5, 1999. Pursuant to the EPA review of the Baseline Risk Assessment, it is hereby approved.

If you have any questions, please feel to contact me at 214-665-8317 or via e-mail at *lyssy.gregory@epa.gov*.

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Pearson, William Scott

From: Burdey, Julie
Sent: Monday, March 21, 2011 12:34 PM
To: Gabriel Moreno-Fergusson
Cc: Schoepflin, Shannon; Pearson, William Scott
Subject: FW: FW: LTMO and DQO approval letter

Please see email correspondence with Kirk below. He approves the LTMO recommendations, but I have asked him to send a formal letter.

-----Original Message-----
From: Burdey, Julie
Sent: Monday, March 21, 2011 8:19 AM
To: 'Kirk Coulter'
Subject: RE: FW: LTMO and DQO approval letter

Hi Kirk-

I guess we would feel better with a letter primarily because the last time we did the optimization which recommended reductions (over 5 years ago), Sonny wrote a letter saying it was ok to implement the reductions on-post, but not off-post.

Thanks much!!
Julie

-----Original Message-----
From: Kirk Coulter [mailto:Kirk.Coulter@tceq.texas.gov]
Sent: Monday, March 21, 2011 7:54 AM
To: Burdey, Julie
Subject: Re: FW: LTMO and DQO approval letter

Julie

I did look at it and did not have any questions with the report or Greg's letter. I did not send a letter because I know Greg is the primary authority; however, if you need s letter from me, I will send one. Let me know if this E-Mail will work as an approval or not

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
PERMITTING DIVISION
1445 Ross Avenue
Dallas, Texas 75202

Transmitted via e-mail

February 16, 2011

Camp Stanley Storage Activity
ATTN: Mr. Gabriel Moreno-Fergusson
25800 Ralph Fair Road
Boerne, Texas 78015-4800

Re: *Three-Tiered Long Term Monitoring Network Optimization Evaluation*
Data Quality Objectives for the Groundwater Monitoring Program
Camp Stanley Storage Activity

Dear Gabe:

The U.S. Environmental Protection Agency (EPA) has reviewed the *Three-Tiered Long Term Monitoring Network Optimization (LTMO) Evaluation* and the *Data Quality Objectives (DQOs) for the Groundwater Monitoring Program* for the Camp Stanley Storage Activity (CSSA). Pursuant to, and in accordance with, the final Resource Conservation and Recovery Act (RCRA) Section 3008(h) Administrative Order on Consent (Order) for CSSA, Docket No. RCRA-VI 002(h)99-H FY99, dated May 5, 1999, the EPA approves the LTMO evaluation recommendations and the DQOs. Upon TCEQ approval, the recommendations of the LTMO and DQOs may be implemented in the groundwater monitoring program.

If you have any questions, please feel free to contact me at (214) 665-8317 or via e-mail at *lyssy.gregory@epa.gov*.

Sincerely,

/s/ Greg J. Lyssy 2-16-2011

Greg J. Lyssy
Senior Project Manager
Federal Facilities Section

cc: Kirk Coulter, TCEQ, Austin
Jorge Salazar, TCEQ, San Antonio
Scott Pearson, Parsons
Julie Burdey, Parsons
Ken Rice, Parsons

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PARSONS

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October 30, 2008

Subject: *Meeting Minutes: Environmental Project Status Meeting (10-July-08) – SWMU Investigations and Closures, Groundwater Overview, and Pilot Studies Update*
Camp Stanley Storage Activity, Boerne, Texas
Contract DACA87-02-D-0005, Delivery Order DY01

Dear Mr. Rayos:

Enclosed is a copy of the *Meeting Minutes: Environmental Project Status Meeting (10-July-08)* as referenced above. These minutes provide a summary of the main discussion items and main action items from the meeting.

If you have any questions or comments, please feel free to contact me at 512-719-6017.

Sincerely,

Lea Aurelius for

Julie Burdey
Project Manager

Attachments
cc:
Glaré Sanchez, CSSA
Chris Beal, CSSA
Brenda Shirley, CSSA
Greg Lyssy, USEPA
Jorge Salazar, TCEQ
Wayne Elliott, USACE
Bob Edwards, Noblis
Mike Chapa, Weston
Steve Mitchell, Weston
745953 Project File

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Environmental Project Status Meeting

SWMU Investigations and Closures, Groundwater Overview, and Pilot Studies Update

Camp Stanley Storage Activity
Boerne, TX

Parsons, DACA87-02-D-0005, Delivery Order DY01
July 10, 2008

Date: Thursday, July 10, 2008

Time: 9:30 AM – 12:30 PM

Place: Camp Stanley Storage Activity, Boerne, Texas

Subject: SWMU Investigations and Closures, Groundwater Overview, and Pilot Studies Update

Attendees:

Glaré Sanchez	CSSA	321-662-3718
Chris Beal	Portage/CSSA	210-336-1171
Julie Burdey	Parsons	512-719-6062
Greg Lyssy	USEPA Region VI	214-665-8317
Sonny Rayos	TCEQ	512-239-2371
Jorge Salazar	TCEQ	210-403-4059
Bob Edwards	Noblis	210-408-5552
Ken Rice	Parsons	512-719-6050
Scott Pearson	Parsons	512-719-6087
Samantha Elliot	Parsons	210-347-6012
Lea Aurelius	Parsons	512-719-6017
Steve Mitchell	Weston	512-651-7104
Mike Chapa	Weston	210-248-2428

INTRODUCTION

The meeting was held at Camp Stanley Storage Activity. Attendees included representatives from CSSA, TCEQ, USEPA (Region VI), Noblis, Weston Solutions, Inc., and Parsons. The sign-in sheet is provided as **Attachment A**. A copy of the slide presentation was provided as a handout at the meeting and is included as **Attachment B**. A second handout with additional information was also provided at the meeting and is included as **Attachment C**.

These minutes are intended to provide a summary of the main discussion items and action items from the meeting.

SLIDE PRESENTATION

Slides 1-4. Introduction and closure status of SWMUs/AOCs. CSSA's goal is to close as many sites as possible with Release Investigation Reports (RIR).

Slides 5-10. AOC-73 overview. RIR distributed to CSSA and USACE for review; RIR submitted to TCEQ and USEPA following CSSA/USACE comments.

Slides 11-13. SWMU I-1 overview. RIR submitted to TCEQ and USEPA.

Slides 14-17. AOC-69 overview. Further removal actions planned, followed by RIR.

Slides 18-19. AOC-67/68 overview. TCEQ and USEPA agreed that an RIR could be submitted for AOC-67/68 following additional removal actions in the immediate area of the Wheelabrator, which can reasonably be achieved between the buildings and the roads. When operations at neighboring Building 90 are discontinued, closure of the wider area around this building will be addressed.

Slides 20-24. Overview of North Pasture sites (SWMUs B-2, B-8, B-20/21, and B-24). Further removal/remedial actions planned, followed by APAR.

Tier 2 calculations for the North Pasture sites will use the following data: (1) the average soil pH and soil type for the North Pasture; (2) the most conservative (shallowest) depth to groundwater in monitoring wells located in the North Pasture; and (3) the most conservative (maximum) thickness of affected soil from the four SWMUs in the North Pasture.

Mr. Rayos requested that Parsons provide TCEQ with (1) all of the data that will be used in the Tier 2 calculations, and (2) the calculated Tier 2 PCLs.

Slides 25-34. Weston's presentation regarding AOC-63, AOC-64, and SWMU B-71. For AOC-63, the draft APAR had been distributed to CSSA and Parsons for review (Weston requested comments by 18 July 08). For AOC-64 and SWMU B-71, further removal actions planned, followed by RIRs.

Slides 35-48. CSSA groundwater monitoring and long-term monitoring optimization (LTMO) was discussed, including on-post and off-post MWs with COC exceedances.

The schedule for the next public meeting for LTMO off-post was discussed; it was decided that the meeting should be planned for the Fall 2009.

Analytical parameters for groundwater monitoring were discussed. It was agreed that nickel could be dropped from the list of analytical parameters. Chromium and mercury will be added to the list of parameters. Lead has been detected in newly installed MWs (CS-MW22-LGR and CS-MW25-LGR) and will continue to be monitored.

TCE and PCE were detected at an off-post VOC monitoring well (I10-4) during the March 2007 sampling event. According to the landowner, the well was plugged following that sampling event. Concentrations of TCE/PCE were above their respective reporting limits (RLs), but below MCLs and Tier 1 residential drinking water PCLs.

Slides 49-58. The hydrogeologic conceptual site model was discussed. Contamination beyond Ralph Fair Road and possible locations of MWs beyond I-10 were discussed.

There is a need to either locate existing private well(s) or to install new MW(s) west of I-10 so that the western extent of the plume can be identified.

Slides 59-90. CSSA pilot studies (SWMU B-3 bioreactor and AOC-65 SVE) were discussed. The proposed monitoring schedules were discussed and agreed to (slides 84 and 90). Future investigation work for AOC-65 was discussed. Possible options discussed included tracer tests (soil gas or groundwater) and additional wells.

Concern was expressed about the potential for vapor intrusion in recently developed areas west of CSSA. USEPA indicated that there is a need to focus on ways to collect/evaluate data related to vapor intrusion, especially related to AOC-65 SVE.

The next meeting was proposed for early November 2008, to be held at the Parsons office, Austin, TX.

MEETING ADJOURNED

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 19, 2006

Camp Stanley Storage Activity
25800 Ralph Fair Road
Boerne, TX 78015-4800
Attention: LTC Jason D. Shirley, Commander

Re: Camp Stanley Storage Activity (CSSA), Boerne, TX;
TCEQ SWR No. 69026;
Final Data Quality Objectives (DQO) Groundwater Monitoring Program - Approval

Dear LTC Shirley:

The Texas Commission on Environmental Quality (TCEQ) has received the report entitled *Final Data Quality Objectives Groundwater Monitoring Program Revised August 2006.* The report recommends the removal of toluene, methylene chloride and naphthalene from the monitored groundwater Volatile Organic Compounds (VOCs) list. For metals analyses, groundwater samples will be limited to the analyses of cadmium, lead and nickel for on-post wells. The report also recommended that groundwater samples from off-post wells will be analyzed for the same VOCs constituents as the on-post wells.

The TCEQ has reviewed the report. The TCEQ does not have any comment regarding the report and its recommendations. The data quality objectives and procedures specified in the report appear to be adequate in addressing the investigation and characterization of the on-site and off-site groundwater contaminations.

Please call me at 512.239.2371 or email me at srayos@tceq.state.tx.us if you wish to discuss or if you have any questions concerning this letter.

Sincerely,

Sonny Rayos, P.G., Project Manager
Team 3, Environmental Cleanup Section II
Remediation Division

cc: Ms. Glare Sanchez, CSSA, 25800 Ralph Fair Road, Boerne, TX 78015-4800
Mr. Greg Lyssy, U.S. EPA Region 6, 1445 Ross Ave (6SF-LT), Dallas, TX 75202-2733
Ms. Julie Burdey, Parsons, 8000 Centre Park Drive, Suite 200, Austin, TX 78754
Waste Program Manager, TCEQ Region 13 Office, San Antonio, TX

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 19, 2005

Camp Stanley Storage Activity
25800 Ralph Fair Road
Boerne, TX 78015-4800
Attention: Lieutenant Colonel Jason Shirley

Re: Three-Tiered Long Term Monitoring Network Optimization Evaluation - Approval with modification
Camp Stanley Storage Activity, Boerne, TX
TCEQ SWR No. 69026
EPA ID No. TX2210020739

Dear LTC Shirley:

The Texas Commission on Environmental Quality (TCEQ) has reviewed the report entitled *Final Three Tiered Long Term Monitoring Network Optimization Evaluation* received by the TCEQ on May 19, 2005. On November 8, 2005, the TCEQ approved your request to implement the Long Term Monitoring Optimization (LTMO) program; however, implementation of the LTMO was approved only for on-site monitor wells and only for the last calendar quarter 2005 groundwater monitoring. As further stated in the November 8, 2005 TCEQ letter, the approval may be modified upon completion of the review of the above-stated report.

The TCEQ Technical Support Section reviewed and provided comments regarding the above-stated report. The recommendations and conclusions of the TCEQ review are provided as an Enclosure to this letter. As stated in the InterOffice Memorandum, the four recommendations are acceptable. The TCEQ Technical Support Section has reservations concerning the fifth recommendation (i.e., reduced off-site monitoring) - this appears to be in agreement with the previous requirement of the TCEQ Environmental Cleanup Section letter dated November 8, 2005. Consequently, the TCEQ requires Camp Stanley to continue monitoring the off-site wells according to standard protocol currently in effect while implementing the four other recommendations. The TCEQ will monitor the LTMO groundwater sampling results at the southwest portion (area near the off-site contaminant release) of the facility; should a need to modify or invalidate the LTMO at this area arise, the TCEQ will inform you in a separate letter.

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Please call me at 512.239.2371 or email me at srayos@tceq.state.tx.us if you wish to discuss or if you have questions concerning this letter.

Sincerely,

Sonny Rayos, P.G., Project Manager
Team III, Environmental Cleanup II
Remediation Division
Texas Commission on Environmental Quality

Enclosure: InterOffice Memorandum from Mr. Greg Tipple

cc: Ms. Glare Sanchez, Camp Stanley Storage Activity, 25800 Ralph Fair Road, Boerne, TX 78015-4800
Mr. Greg Lyssy, U.S. EPA Region 6, 1445 Ross Ave (6SF-LT), Dallas, TX 75202-2733
Ms. Julie Burdey, Parsons Engineering, 8000 Centre Park Drive, Suite 200, Austin, TX 78754
Waste Program Manager, TCEQ Region 13 Office, San Antonio, TX

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Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

To: Sonny Rayos, Environmental Cleanup Section II, Team 3, Remediation Division **Date:** December 14, 2005

Thru: Chet Clarke, Section Manager, Technical Support Section, Remediation Division

From: GL 12-14-05 Greg Tipple, Technical Specialist, Technical Support Section, Remediation Division

Subject: Three-Tiered Long-Term Monitoring Network Optimization Evaluation, May 2005, Camp Stanley Storage Activity, Bexar County

As requested, I have reviewed the document titled *Three-Tiered Long Term Monitoring Network Optimization Evaluation* that is dated May 2005 and that pertains to Camp Stanley Storage Activity (CSSA). CSSA consists of 4,004 acres and is located approximately 19 miles northwest of downtown San Antonio in the general vicinity of Boerne, Texas. Primary activities at CSSA include the receipt, storage, and issuance of ordnance material as well as quality assurance testing and maintenance of military weapons and ammunition. While 39 solid waste management units (SWMUs) and 40 areas of concern (AOCs) have been identified at the facility, only SWMUs B-3 and O-1 and AOC-65 are considered as potential sources for elevated concentrations of tetrachloroethene, trichloroethene, dichloroethene, and other chemicals of concern within the Lower Glen Rose limestone member of the middle Trinity Aquifer. The reviewed document describes qualitative, temporal statistical, and spatial statistical evaluations that were performed in order to identify potential opportunities for streamlining while still maintaining an effective groundwater monitoring program at the CSSA facility.

This groundwater monitoring optimization study for the CSSA facility recommends the following:

1. that the sampling frequency for the 40 on-post monitoring wells be reduced from quarterly to a biennial, annual, and semi-annual schedule for 13, 11, and 16 on-post wells, respectively;

2. that the AOC-65 piezometers be removed from the monitoring program while the sampling frequency for the 2 AOC-65 monitoring wells be reduced from quarterly to after significant rainfall events;

3. that the sampling frequency for the 4 Westbay monitoring wells, with a total of 64 sampling points, be reduced from monthly and after significant rainfall events to semi-annual;

4. that 11 additional on-post monitoring wells be constructed to better determine groundwater levels and/or to further delineate groundwater PCLE zone boundaries; and

5. that the monitoring frequency for the 44 off-post monitoring wells be reduced from annual for 18 wells and quarterly for 26 wells to biennial for 20 wells, annual for 17 wells, and quarterly for 7 wells.

In my evaluation, the groundwater monitoring optimization report provides adequate documentation and rationale to support the first four recommendations stated above. However, I do have concern regarding the fifth recommendation. The document indicates that the distance to potential receptor exposure points and the groundwater seepage velocity are primary factors that should be considered when designing a groundwater monitoring network. The report indicates that the land use surrounding the CSSA facility is primarily residential or is used for ranching. In my view, the report does not adequately discuss how the proximity of potential receptors and the groundwater transport velocity were actually taken into account when designing the proposed revision to the sampling frequencies for the off-post monitoring wells. The TCEQ, of course, has a heightened concern to make sure that the groundwater monitoring program will adequately protect off-site receptors. Therefore, I recommend that you carefully consider whether the final recommendation listed above should be approved.

Vaughn, Kimberly

From: Burdey, Julie
Sent: Wednesday, November 16, 2005 12:48 PM
To: Vaughn, Kimberly
Subject: FW: Approval of the LTMO Changes On-Post

-----Original Message-----
From: Glare Sanchez [mailto:environmentaldept@campstanley.net]
Sent: Wednesday, November 16, 2005 11:55 AM
To: Lyssy.Gregory@epamail.epa.gov
Cc: Burdey, Julie
Subject: RE: Approval of the LTMO Changes On-Post

Thanks!!

-----Original Message-----
From: Lyssy.Gregory@epamail.epa.gov [mailto:Lyssy.Gregory@epamail.epa.gov]
Sent: Monday, November 14, 2005 12:59 PM
To: Glare Sanchez
Cc: Jeff Aston
Subject: Approval of the LTMO Changes On-Post

Hey Glare:

I received a voice-mail message from Julie at Parsons concerning the LTMO recommendations for the December sampling. I hereby approve the optimization recommendations for the on-post portion of the CSSA monitoring network, starting with the December sampling event.

Please feel free to call me with any questions.

Greg J. Lyssy
U.S. EPA
Senior Project Manager
New Mexico - Federal Facilities Section (6PD-F) Phone - 214.665.8317 Cell Phone - 214.543.4415 Fax - 214.665.7263 lyssy.gregory@epa.gov

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 20, 2004

LTC Jason D. Shirley, Commander
Camp Stanley Storage Activity
25800 Ralph Fair Road
Boerne, TX 78015-4800

Re: Camp Stanley Storage Activity (CSSA), Boerne, TX;
TCEQ SWR No. 69026;
Data Quality Objectives Groundwater Contamination Investigation - Approval

Dear Mr. Shirley:

The Texas Commission on Environmental Quality (TCEQ) has received the report entitled *Data Quality Objectives Groundwater Contamination Investigation - Revised November 2003*. The TCEQ has reviewed the report. The TCEQ does not have any comment regarding the report. The data quality objectives specified in the report appears to be adequate in addressing the investigation and characterization of the on-site and off-site groundwater contamination.

Please call me at 512.239.2371 or email me at srayos@tceq.state.tx.us if you wish to discuss or if you have any questions concerning this letter.

Sincerely,

Sonny Rayos, P.G., Project Manager
Team I, Corrective Action Section
Remediation Division
Texas Commission on Environmental Quality

cc: Mr. Brian Murphy, Camp Stanley Storage Activity, 25800 Ralph Fair Road, Boerne, TX 78015-4800
Mr. Greg Lyssy, U.S. EPA Region 6, 1445 Ross Ave (6SF-LT), Dallas, TX 75202-2733
Ms. Julie Burdey, Parsons Engineering, 8000 Centre Park Drive, Suite 200, Austin, TX 78754
Waste Program Manager, TCEQ Region 13 Office, San Antonio, TX

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August 26, 2002

Via facsimile

Mr. Greg J. Lyssy
U.S. Environmental Protection Agency, Region 6
1445 Ross Avenue
Dallas, TX 75202-2733

Subject: Camp Stanley Storage Activity (CSSA) Groundwater Monitoring Program
TNRCC Number: Solid Waste Registration Number 69026
EPA Identification Number: TXD2210020739

Dear Mr. Lyssy:

This letter concerns the CSSA Data Quality Objectives (DQOs) for the Groundwater Contamination Investigation submitted April 22, 2002. The DQOs were also submitted to Mr. Kirk Coulter of the Texas Natural Resource Conservation Commission (TNRCC) requesting his review and comments. At this time, CSSA has not received suggestions or revisions to the proposed DQOs.

CSSA is currently planning the September 9, 2002, quarterly groundwater monitoring event for both on- and off-post drinking water and monitoring wells. CSSA proposes to reduce the frequency of sampling of groundwater for metals, as set out in the DQOs. Cumulative analysis for metals in groundwater since 1995 indicate exceedance of the maximum contaminant level (MCL) / action level (AL) for lead, cadmium and nickel only. Results during the last two years of quarterly groundwater monitoring indicate exceedance of the MCL for lead only, occurring in agricultural/livestock wells. Therefore, beginning in September 2002, on-post monitoring wells sampling for metals will be conducted annually. On-post drinking water supply wells will continue to be sampled for metals on a quarterly basis.

Additionally, CSSA requests confirmation of the list of VOCs to be sampled in the future for off-post drinking water wells. Quarterly off-post groundwater monitoring conducted since September 2001 included full list VOCs analyzed under SW 846 Method 8260B. In accordance with the proposed DQOs, CSSA proposes reducing the analyte list for off-post monitoring to the following short list:

1,2-dichloroethane
Acetone
Bromodichloromethane
Bromoform

Chloroform
cis-1,2-Dichloroethene
Dibromochloromethane
Dichlorodifluoromethane
Naphthalene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl chloride

CSSA prepared the proposed short list of analytes following review of cumulative historical detections of VOCs from off-post groundwater monitoring conducted since 1999. All analytes with detections over the last year of monitoring, even though detections were below MCLs, are included in the proposed short list.

If you have any questions or comments regarding CSSA's plan for metals analysis, a reduced list of analytes, or on the previously submitted DQOs, please call me at (512) 719-6051 or Mr. Brian Murphy, CSSA, at (210) 698-5208.

Sincerely,

Karuna Mirchandani
Deputy Task Manager

xc: Kirk Coulter, TNRCC Remediation Division *Via telefacsimile or hand delivery*
Teri DuPriest, AFCEE
Brian Murphy, CSSA
Susan Roberts, Parsons
Tammy Chang, Parsons

Appendix B

Summary of Historical Detections

Appendix B.1: Statistical Summary of Occurrence of Groundwater Contaminants of Concern for All Active Wells, 1999 through December 2019

Appendix B.2: Summary of Historical Detections by Well, September 2001 through January 2020

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Appendix B.1

Statistical Summary of Occurrence of Groundwater Contaminants of Concern for All Active Wells, 1999 through December 2019

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Appendix B.1
Statistical Summary of Occurrence of Groundwater Contaminants of Concern for All Active Wells
Long Term Monitoring Optimization
Camp Stanley Storage Activity, Texas

Parameter	*Total Samples* [a/]	*Range of Detections (µg/L)* [b/]	*Percentage of Detections*	*Percentage of Samples with MCL/SCL Exceedances*	*MCL* [c/] *(µg/L)*	*SCL* [d/] *(µg/L)*	*Number of Wells with Results* [e/]	*Number of Wells with Detections*	*Number of Wells with MCL/SCL Exceedances*
Tetrachloroethene	7,553	0 - 64,210	63.7%	30.7%	5		233	190	112
Trichloroethene	7,554	0 - 562	57.2%	25.5%	5		233	168	92
Iron	130	0 - 28,227	56.9%	22.3%		300	114	66	27
Manganese	2,306	0 - 2,918,000	53.5%	21.4%		50	172	137	55
Total Dissolved Solids	1,307	191,000 - 62,000,000	100%	13.5%		500,000	57	57	26
Sulfate	2,597	0 - 43,716,180	99.8%	13.4%		250,000	165	165	23
Arsenic	3,005	0 - 1,191	59.4%	12.1%	10		178	174	79
Dichloroethene, cis-1,2-	7,554	0 - 1,700	32.8%	8.9%	70		233	123	41
Chromium	2,784	0 - 1,364	59.3%	6.4%	100		172	165	16
Vinyl chloride	6,532	0 - 300	7.3%	4.1%	2		231	56	25
Lead	2,836	0 - 114.8	25.7%	2.4%	15		172	124	29
Arsenic-Dissolved	157	0 - 12.4	12.7%	1.3%	10		71	16	1
Mercury	2,777	0 - 18	20.8%	1.3%	2		172	113	9
Cadmium	2,832	0 - 86.8	8.1%	0.81%	5		172	95	11
Chromium-Dissolved	157	0 - 150	22.3%	0.64%	100		71	24	1
Zinc	2,305	0 - 56,090	67.9%	0.56%		5,000	172	163	5
Nitrite	596	0 - 2,100	7.6%	0.34%	1,000		72	25	2

[a/] Analytical data includes sampling results from September 2001 through January 2020.

[b/] µg/L = micrograms per liter.

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[e/] Data includes 233 active wells shown in Appendix B.

[f/] MCL for Trihalomethane compounds combined cannot exceed 80 µg/L, EPA National Primary Drinking Water Regulations Standards, May 2009.

Parameter	Total Samples [a/]	Range of Detections (µg/L) [b/]	Percentage of Detections	Percentage of Samples with MCL/SCL Exceedances	MCL [c/] (µg/L)	SCL [d/] (µg/L)	Number of Wells with Results [e/]	Number of Wells with Detections	Number of Wells with MCL/SCL Exceedances
Methylene chloride	2,573	0 - 44.5	10.3%	0.31%	5		159	92	6
Chloride	2,620	0 - 3,277,510	99.8%	0.31%		250,000	175	175	7
Selenium	1,307	0 - 106.4	20.4%	0.23%	50		111	48	2
Alkalinity, Total (as CACO3)	737	87,600 - 7,900,400	100%				143	143	
Calcium	124	3,800 - 1,325,000	100%				114	114	
Potassium	126	750 - 463,510	100%				114	114	
Barium	1,109	0 - 1,230	99.9%		2,000		155	155	
Sodium	894	0 - 42,550,000	99.9%				119	119	
Magnesium	693	0 - 392,500	99.6%				119	119	
Alkalinity, Bicarbonate	190	0 - 7,900,400	99.5%				109	109	
Fluoride	35	0 - 2,300	94.3%		4,000		31	29	
Zinc-Dissolved	157	0 - 3,819	67.5%			5,000	71	46	
Bromide	79	0 - 1,060	63.3%				48	35	
Methane	1,341	0 - 260,000	62.9%				75	74	
Nitrate	596	0 - 6,330	57.4%		10,000		72	63	
Copper-Dissolved	157	0 - 30.8	54.8%		1,300		71	49	
Nickel	2,188	0 - 195	51.8%				171	146	
Nickel-Dissolved	157	0 - 38.2	40.8%				71	47	
Copper	2,303	0 - 189	30.4%		1,300		172	124	
Isopropanol	824	0 - 21,400	22.5%				49	44	
Dichloroethene, trans-1,2-	7,109	0 - 80	19.7%		100		233	66	
Acetone	1,038	0 - 3,610	15.5%				77	50	

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Parameter	Total Samples [a/]	Range of Detections (µg/L) [b/]	Percentage of Detections	Percentage of Samples with MCL/SCL Exceedances	MCL [c/] (µg/L)	SCL [d/] (µg/L)	Number of Wells with Results [e/]	Number of Wells with Detections	Number of Wells with MCL/SCL Exceedances
Lead-Dissolved	157	0 - 11.1	14.0%		15		71	15	
Chloroform	2,598	0 - 64.52	13.2%		80 [f/]		162	53	
Alkalinity, Carbonate	43	0 - 142,300	9.3%				40	4	
Toluene	3,485	0 - 770.57	8.1%		1,000		200	85	
Phosphorus, Total Orthophosphat	28	0 - 790	7.1%				27	2	
Selenium-Dissolved	157	0 - 5.9	4.5%		50		71	6	
Chloromethane	1,586	0 - 49.27	3.2%				135	31	
Dichloroethene, 1,1-	6,060	0 - 2.86	2.7%		7		231	32	
Mercury-Dissolved	157	0 - 1.1	2.5%		2		71	3	
Benzene	1,667	0 - 2.32	2.4%		5		135	21	
Cadmium-Dissolved	157	0 - 0.5	1.9%		5		71	2	
Naphthalene	2,453	0 - 10.1	1.3%				159	22	
Trimethylbenzene, 1,2,4-	1,586	0 - 0.43	1.3%				135	20	
Butylbenzene, N-	1,586	0 - 1	1.2%				135	16	
Dichlorodifluoromethane	2,466	0 - 1.89	1.1%				159	3	
Dichloroethane, 1,2-	1,605	0 - 0.585	0.81%		5		136	12	
Isopropyltoluene, 4- (Cymene, p-)	1,585	0 - 0.82	0.69%				135	10	
Bromochloromethane	1,586	0 - 1.8	0.63%				135	9	
Hexachlorobutadiene	1,586	0 - 1.42	0.63%				135	8	
Butylbenzene, sec-	1,586	0 - 0.52	0.57%				135	7	
Bromodichloromethane	2,598	0 - 8.74	0.54%		80 [f/]		162	7	
Trimethylbenzene, 1,3,5-	1,586	0 - 0.41	0.50%				135	8	

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Parameter	Total Samples [a/]	Range of Detections (µg/L) [b/]	Percentage of Detections	Percentage of Samples with MCL/SCL Exceedances	MCL [c/] (µg/L)	SCL [d/] (µg/L)	Number of Wells with Results [e/]	Number of Wells with Detections	Number of Wells with MCL/SCL Exceedances
Xylene, m,p-	1,586	0 - 15	0.50%		10,000		135	8	
Dibromochloromethane	2,598	0 - 16	0.46%		80 [f/]		162	7	
Xylene, o-	1,586	0 - 0.88	0.38%		10,000		135	5	
Trichlorobenzene, 1,2,4-	1,586	0 - 0.854	0.32%		70		135	5	
Bromoform	2,471	0 - 1.21	0.28%		80 [f/]		162	7	
Styrene	1,585	0 - 0.7	0.19%		100		135	3	
Ethylbenzene	1,586	0 - 0.463	0.19%		700		135	3	
Trichlorobenzene, 1,2,3-	1,586	0 - 0.965	0.19%				135	3	
Butylbenzene, tert-	1,586	0 - 0.422	0.13%				135	2	
Chlorotoluene, 4-	1,586	0 - 0.399	0.13%				135	2	
Chlorotoluene, 2-	1,586	0 - 0.41	0.063%				135	1	
Dibromomethane	1,586	0 - 0	0%				135	0	
Dichloroethane, 1,1-	1,601	0 - 0	0%				135	0	

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Appendix B.2

Summary of Historical Detections by Well, September 2001 through January 2020

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Appendix B.2
Summary of Historical Detections by Well
September 2001 through January 2020
Camp Stanley Storage Activity, Texas

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-MW1									
	Dichloroethene, 1,1-	SW8260	1.2					0/6	7
	Bromodichloromethane	SW8260	0.8					0/8	80 [5]
	Bromoform	SW8260	1.2					0/8	80 [5]
	Chloroform	SW8260	0.3					0/8	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/03/2002	2.07	12/02/2004	0.39 F	7/1	70
	Dibromochloromethane	SW8260	0.5					0/8	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/8	-- [6]
	Methylene chloride	SW8260	2.0					0/8	5
	Naphthalene	SW8260	1.0					0/8	-- [6]
	Tetrachloroethene	SW8260	1.4	07/03/2002	**27.1**	12/02/2004	**6.08**	8/0	5
	Toluene	SW8260	1.1					0/8	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/8	100
	Trichloroethene	SW8260	1.0	07/03/2002	**21.5**	01/20/2004	**8.38**	8/0	5
	Vinyl chloride	SW8260	1.1					0/8	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-MW2A									
	Dichloroethene, 1,1-	SW8260	1.2					0/6	7
	Bromodichloromethane	SW8260	0.8					0/7	80 [5]
	Bromoform	SW8260	1.2					0/7	80 [5]
	Chloroform	SW8260	0.3					0/7	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/06/2004	51.5	07/03/2002	2.54	11/0	70
	Dibromochloromethane	SW8260	0.5					0/7	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/7	-- [6]
	Methylene chloride	SW8260	2.0					0/7	5
	Naphthalene	SW8260	1.0					0/7	-- [6]
	Tetrachloroethene	SW8260	1.4	12/02/2004	**3490**	11/17/2004	**556**	11/0	5
	Toluene	SW8260	1.1					0/11	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/06/2004	1.28	11/01/2004	0.33 F	8/3	100
	Trichloroethene	SW8260	1.0	04/06/2004	**55.7**	11/17/2004	**7.06**	11/0	5
	Vinyl chloride	SW8260	1.1					0/7	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-PZ01-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/46	7
	Bromodichloromethane	SW8260	0.8					0/14	80 [5]
	Bromoform	SW8260	1.2					0/14	80 [5]
	Chloroform	SW8260	0.3					0/14	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/05/2003	0.46 F	04/06/2004	0.24 F	11/36	70
	Dibromochloromethane	SW8260	0.5					0/14	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/14	-- [6]
	Methylene chloride	SW8260	2.0					0/14	5
	Naphthalene	SW8260	1.0					0/14	-- [6]
	Tetrachloroethene	SW8260	1.4	07/19/2002	**41.6**	12/13/2017	1.97	47/0	5
	Toluene	SW8260	1.1					0/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/47	100
	Trichloroethene	SW8260	1.0	06/16/2003	**13.8**	12/13/2017	0.71 F	47/0	5
	Vinyl chloride	SW8260	1.1					0/47	2
	Arsenic	SW6010B	30	06/20/2016	8.8 F	08/06/2014	0.30 F	20/12	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/16/2013	35.8	04/16/2013	35.8	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	2.2 F	09/26/2018	0.60 F	3/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	10/04/2016	6.4 F	02/10/2014	1.1 F	28/4	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	11/18/2013	6.0 F	09/26/2018	4.0 F	5/27	1300
	Copper-Dissolved	SW6010B-DISS	10	07/20/2012	4.4 F	07/20/2012	4.4 F	1/0	1300
	Mercury	SW7470A	1.0	09/26/2018	0.30 F	02/10/2014	0.20 F	2/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	09/26/2018	2.0 F	09/26/2018	2.0 F	2/30	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25	03/23/2017	4.2 F	04/04/2019	2.1 F	6/26	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	11/18/2013	78	09/26/2018	10 F	24/8	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/20/2012	11.6 F	07/20/2012	11.6 F	1/0	5000

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AOC65-PZ02-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/42	7
	Bromodichloromethane	SW8260	0.8					0/11	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260	0.3					0/11	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/11/2003	0.43 F	07/19/2002	0.22 F	2/40	70
	Dibromochloromethane	SW8260	0.5					0/11	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0					0/11	5
	Naphthalene	SW8260	1.0					0/11	-- [6]
	Tetrachloroethene	SW8260	1.4	06/06/2003	**30.2**	06/20/2016	0.39 F	42/0	5
	Toluene	SW8260	1.1					0/11	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/42	100
	Trichloroethene	SW8260	1.0	06/11/2003	**13.1**	05/14/2014	0.21 F	42/0	5
	Vinyl chloride	SW8260	1.1					0/42	2
	Arsenic	SW6010B	30	03/10/2016	**32.1**	04/16/2013	0.40 F	25/6	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/16/2013	73	04/16/2013	73	1/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	11/18/2013	**16.3**	01/06/2020	0.60 F	5/26	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	11/18/2014	**341.8**	09/26/2018	12.6	30/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B/SW6020	10	05/14/2014	17	01/06/2020	5.0 F	8/23	1300
	Copper-Dissolved	SW6010B-DISS	10	07/20/2012	3.2 F	07/20/2012	3.2 F	1/0	1300
	Mercury	SW7470A	1.0	09/24/2015	**3.4**	01/06/2020	0.20 F	14/17	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	09/24/2015	**30**	04/16/2013	1.2 F	19/12	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B/SW6020	25/2.0	05/14/2015	11 F	01/06/2020	2.2 F	10/21	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	09/24/2015	54	11/18/2013	10 F	11/20	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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AOC65-PZ03-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/17	7
	Bromodichloromethane	SW8260	0.8					0/14	80 [5]
	Bromoform	SW8260	1.2					0/14	80 [5]
	Chloroform	SW8260	0.3					0/14	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/18	70
	Dibromochloromethane	SW8260	0.5					0/14	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/14	-- [6]
	Methylene chloride	SW8260	2.0					0/14	5
	Naphthalene	SW8260	1.0					0/14	-- [6]
	Tetrachloroethene	SW8260	1.4	01/20/2004	**5.46**	04/16/2013	0.79 F	18/0	5
	Toluene	SW8260	1.1					0/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/18	100
	Trichloroethene	SW8260	1.0	06/06/2003	**5.79**	04/16/2013	1.0	18/0	5
	Vinyl chloride	SW8260	1.1					0/18	2
	Arsenic	SW6010B	30	04/16/2013	1.4 F	04/16/2013	1.4 F	1/1	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/16/2013	115.9	04/16/2013	115.9	1/0	2000
	Cadmium	SW6010B	7.0					0/2	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10					0/2	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	04/16/2013	4.0 F	04/16/2013	4.0 F	1/1	1300
	Copper-Dissolved	SW6010B-DISS	10	07/20/2012	5.6 B	07/20/2012	5.6 B	1/0	1300
	Mercury	SW7470A	1.0					0/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10					0/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/20/2012	9.9	07/20/2012	9.9	1/0	-- [6]
	Lead	SW6010B	25	04/16/2013	7.5	04/16/2013	7.5	1/1	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/16/2013	123	04/16/2013	123	1/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/20/2012	22.4 F	07/20/2012	22.4 F	1/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-PZ04-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/15	7
	Bromodichloromethane	SW8260	0.8					0/11	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260	0.3					0/11	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/15	70
	Dibromochloromethane	SW8260	0.5					0/11	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0					0/11	5
	Naphthalene	SW8260	1.0					0/11	-- [6]
	Tetrachloroethene	SW8260	1.4	06/07/2003	4.29	07/20/2012	0.67 F	15/0	5
	Toluene	SW8260	1.1					0/11	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/15	100
	Trichloroethene	SW8260	1.0	01/09/2013	0.10 F	01/09/2013	0.10 F	1/14	5
	Vinyl chloride	SW8260	1.1					0/15	2
	Arsenic	SW6010B	30					0/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/16/2013	33.4	04/16/2013	33.4	1/0	2000
	Cadmium	SW6010B	7.0					0/2	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/16/2013	1.5 F	04/16/2013	1.5 F	1/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	04/16/2013	4.0 F	04/16/2013	4.0 F	1/1	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10					0/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/2	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/16/2013	19 F	04/16/2013	19 F	1/1	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-PZ05-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/47	7
	Bromodichloromethane	SW8260	0.8					0/14	80 [5]
	Bromoform	SW8260	1.2					0/14	80 [5]
	Chloroform	SW8260	0.3					0/14	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/47	70
	Dibromochloromethane	SW8260	0.5					0/14	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/14	-- [6]
	Methylene chloride	SW8260	2.0					0/14	5
	Naphthalene	SW8260	1.0					0/14	-- [6]
	Tetrachloroethene	SW8260	1.4	06/07/2003	**21.4**	10/04/2016	0.75 F	47/0	5
	Toluene	SW8260	1.1					0/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/47	100
	Trichloroethene	SW8260	1.0	07/05/2017	1.41	11/18/2013	0.17 F	37/10	5
	Vinyl chloride	SW8260	1.1					0/47	2
	Arsenic	SW6010B	30	03/23/2017	8.6 F	12/11/2018	0.40 F	17/15	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/16/2013	33.9	04/16/2013	33.9	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	3.4 F	05/14/2015	0.60 F	3/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	05/14/2015	23.7	08/06/2014	2.0 F	30/2	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	03/10/2016	7.0 F	11/18/2014	4.0 F	3/29	1300
	Copper-Dissolved	SW6010B-DISS	10	07/20/2012	3.9 F	07/20/2012	3.9 F	1/0	1300
	Mercury	SW7470A	1.0	09/26/2018	0.30 F	09/26/2018	0.30 F	1/31	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B/SW6020	10	05/14/2015	5.0 F	01/06/2020	2.0 F	4/28	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25	06/20/2016	4.7 F	03/12/2018	2.0 F	9/23	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	09/24/2015	80	05/14/2015	9.0 F	10/22	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-PZ06-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/43	7
	Bromodichloromethane	SW8260	0.8					0/10	80 [5]
	Bromoform	SW8260	1.2					0/10	80 [5]
	Chloroform	SW8260	0.3					0/10	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/06/2020	0.39 F	01/06/2020	0.39 F	1/42	70
	Dibromochloromethane	SW8260	0.5					0/10	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/10	-- [6]
	Methylene chloride	SW8260	2.0					0/10	5
	Naphthalene	SW8260	1.0					0/10	-- [6]
	Tetrachloroethene	SW8260	1.4	06/05/2003	**33.1**	03/15/2004	0.83 F	42/1	5
	Toluene	SW8260	1.1					0/10	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/43	100
	Trichloroethene	SW8260	1.0	01/06/2020	0.81 F	12/01/2015	0.13 F	20/23	5
	Vinyl chloride	SW8260	1.1					0/43	2
	Arsenic	SW6010B	30	03/23/2017	**15.2** F	08/06/2014	0.30 F	15/17	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/16/2013	43.6	04/16/2013	43.6	1/0	2000
	Cadmium	SW6010B	7.0	02/19/2015	3.3 F	11/18/2013	2.9 F	2/30	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	10/04/2016	4.5 F	04/04/2019	1.1 F	23/9	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6020/SW6010B	10	01/06/2020	5.0 F	11/18/2014	4.0 F	5/27	1300
	Copper-Dissolved	SW6010B-DISS	10	07/20/2012	4.1 F	07/20/2012	4.1 F	1/0	1300
	Mercury	SW7470A	1.0	09/26/2018	0.30 F	02/10/2014	0.20 F	2/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6020		01/06/2020	2.0 F	01/06/2020	2.0 F	3/29	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/20/2012	2.3 F	07/20/2012	2.3 F	1/0	-- [6]
	Lead	SW6010B	25	03/12/2018	5.2 F	03/23/2017	2.2 F	7/25	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6020/SW6010B	25/50	01/06/2020	18 F	12/01/2015	9.0 F	4/28	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-TSW-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/39	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	08/30/2012	15.74	10/06/2017	0.69 F	16/23	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	08/30/2012	**64210**	12/14/2017	**34.43**	34/5	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6	08/30/2012	0.31 F	08/30/2012	0.31 F	1/38	100
	Trichloroethene	SW8260	1.0	06/19/2013	**53.69** F	03/13/2018	0.35 F	27/12	5
	Vinyl chloride	SW8260	1.1					0/39	2
	Arsenic	SW6010B/SW6020	30/20	04/10/2019	**79.6**	01/09/2020	0.40 F	27/5	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	1.2 F	08/30/2012	1.2 F	1/3	10
	Barium	SW6010B	5.0	04/16/2013	47.9	04/16/2013	47.9	1/0	2000
	Cadmium	SW6010B	7.0	02/19/2015	**14.7**	12/14/2017	1.5 F	4/28	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/4	5
	Chromium	SW6020/SW6010B	10	01/09/2020	**172.8**	08/06/2014	1.1 F	31/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/4	100
	Copper	SW6010B	10	11/18/2014	23	05/14/2014	4.0 F	8/24	1300
	Copper-Dissolved	SW6010B-DISS	10	08/30/2012	5.3	07/18/2012	5.2 B	2/2	1300
	Mercury	SW7470A	1.0	12/14/2017	**3.3**	09/24/2018	0.20 F	18/14	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/4	2
	Nickel	SW6010B	10	05/14/2015	**75**	08/06/2014	2.0 F	21/11	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/18/2012	**6.6**	08/30/2012	1.4 F	2/2	-- [6]
	Lead	SW6010B	25	05/14/2015	**18.9** F	05/14/2015	**18.9** F	1/31	15
	Lead-Dissolved	SW6010B-DISS	25					0/4	15
	Zinc	SW6010B	50	05/14/2015	62	04/03/2017	9.0 F	7/25	5000
	Zinc-Dissolved	SW6010B-DISS	50	10/01/2012	11.7 F	08/30/2012	10.6 F	2/2	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-TSW-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/8	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/18/2019	3.45	01/08/2020	1.59	6/2	70
	Tetrachloroethene	SW8260	1.4	09/18/2019	**215.2** J	11/18/2014	**9.95**	8/0	5
	trans-1,2-Dichloroethene	SW8260	0.6	09/26/2018	0.27 F	09/26/2018	0.27 F	1/7	100
	Trichloroethene	SW8260	1.0	09/18/2019	**19.39**	04/16/2013	2.6	7/1	5
	Vinyl chloride	SW8260	1.1					0/8	2
	Arsenic	SW6010B	30	11/18/2014	**44.8**	04/16/2013	0.40 F	7/1	10
	Barium	SW6010B	5.0	04/16/2013	60.7	04/16/2013	60.7	1/0	2000
	Cadmium	SW6010B	7.0					0/8	5
	Chromium	SW6010B	10	09/26/2018	67.3	12/11/2018	1.7 F	7/1	100
	Copper	SW6010B	10	09/26/2018	28	11/18/2014	5.0 F	2/6	1300
	Mercury	SW7470A	1.0	09/26/2018	0.60 F	09/26/2018	0.60 F	1/7	2
	Nickel	SW6010B	10	09/26/2018	46	04/16/2013	1.9 F	8/0	-- [6]
	Lead	SW6010B	25	09/26/2018	2.5 F	09/26/2018	2.5 F	1/7	15
	Zinc	SW6010B	50	09/26/2018	268	06/12/2019	11 F	3/5	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-TSW-03									
	Dichloroethene, 1,1-	SW8260	1.2					0/34	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/11/2018	0.62 F	12/13/2017	0.12 F	3/31	70
	Tetrachloroethene	SW8260	1.4	12/11/2018	**48.32**	01/13/2016	0.96 F	32/2	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/34	100
	Trichloroethene	SW8260	1.0	04/16/2013	3.35	03/23/2017	0.17 F	25/9	5
	Vinyl chloride	SW8260	1.1					0/34	2
	Arsenic	SW6010B	30	09/24/2015	**460.1**	10/05/2017	6.5 F	32/1	10
	Arsenic-Dissolved	SW6010B-DISS	30	10/01/2012	**12.4**	08/30/2012	**10.7**	2/1	10
	Barium	SW6010B	5.0	04/16/2013	32.1	04/16/2013	32.1	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	**77.6**	08/06/2014	**5.1** F	4/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/3	5
	Chromium	SW6010B	10	03/10/2016	**1087**	07/20/2012	3.4 F	33/0	100
	Chromium-Dissolved	SW6010B-DISS	10	10/01/2012	**150**	07/20/2012	2.1 F	3/0	100
	Copper	SW6010B	10	02/10/2016	11	08/06/2014	4.0 F	6/27	1300
	Copper-Dissolved	SW6010B-DISS	10					0/3	1300
	Mercury	SW7470A	1.0	09/17/2013	**5.1**	06/12/2019	0.20 F	26/7	2
	Mercury-Dissolved	SW7470A-DISS	1.0	10/01/2012	1.1	08/30/2012	0.50	2/1	2
	Nickel	SW6010B/SW6020	10	06/25/2018	47	01/08/2020	2.0 F	21/12	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/30/2012	19.7	10/01/2012	7.6	2/1	-- [6]
	Lead	SW6010B	25	05/14/2015	12.1 F	05/14/2015	12.1 F	1/32	15
	Lead-Dissolved	SW6010B-DISS	25					0/3	15
	Zinc	SW6010B	50	07/05/2017	253	11/18/2013	15 F	11/22	5000
	Zinc-Dissolved	SW6010B-DISS	50	10/01/2012	31.1 F	08/30/2012	18 F	2/1	5000

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-TSW-04									
	Dichloroethene, 1,1-	SW8260	1.2					0/33	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/33	70
	Tetrachloroethene	SW8260	1.4	10/05/2017	**10.89**	11/30/2015	0.24 F	30/3	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/33	100
	Trichloroethene	SW8260	1.0	09/16/2019	3.94	10/04/2016	0.21 F	20/13	5
	Vinyl chloride	SW8260	1.1					0/33	2
	Arsenic	SW6010B	30	08/06/2014	**1191**	04/16/2013	9.7	30/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/2	10
	Barium	SW6010B	5.0	04/16/2013	37.3	04/16/2013	37.3	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	**86.8**	05/14/2015	**5.7** F	3/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/2	5
	Chromium	SW6010B	10	11/18/2013	**1364**	06/11/2019	46.7	31/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/2	100
	Copper	SW6010B	10	06/21/2016	58	09/17/2013	8.0 F	3/29	1300
	Copper-Dissolved	SW6010B-DISS	10	07/20/2012	4.7 F	07/20/2012	4.7 F	1/1	1300
	Mercury	SW7470A	1.0	06/21/2016	2.0	06/11/2019	0.20 F	23/9	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/2	2
	Nickel	SW6010B	10	06/21/2016	195	07/20/2012	1.6 F	21/11	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/20/2012	2.4 F	08/30/2012	1.1 F	2/0	-- [6]
	Lead	SW6010B	25	06/21/2016	11.6 F	09/16/2019	2.6 F	5/27	15
	Lead-Dissolved	SW6010B-DISS	25					0/2	15
	Zinc	SW6010B/SW6020	50/25	09/26/2018	156	01/08/2020	10 F	13/19	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/2	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-TSW-05									
	Dichloroethene, 1,1-	SW8260	1.2					0/40	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/40	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	05/14/2015	**683.33**	09/19/2019	2.08	38/2	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/40	100
	Trichloroethene	SW8260	1.0	01/09/2013	0.61 F	08/30/2012	0.18 F	26/14	5
	Vinyl chloride	SW8260	1.1					0/40	2
	Arsenic	SW6010B	30	12/13/2018	**17.7** F	12/14/2017	0.30 F	19/14	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.30 F	08/30/2012	0.30 F	1/2	10
	Barium	SW6010B	5.0	04/18/2013	40	04/18/2013	40	1/0	2000
	Cadmium	SW6010B	7.0	02/18/2015	3.2 F	11/18/2013	2.9 F	2/31	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/3	5
	Chromium	SW6010B	10	09/24/2018	35.9	10/05/2016	1.3 F	18/15	100
	Chromium-Dissolved	SW6010B-DISS	10	08/14/2012	1.6 F	08/14/2012	1.6 F	1/2	100
	Copper	SW6010B	10	09/24/2018	36	11/18/2014	4.0 F	4/29	1300
	Copper-Dissolved	SW6010B-DISS	10	08/14/2012	6.7	08/14/2012	6.7	1/2	1300
	Mercury	SW7470A	1.0	10/06/2017	0.90 F	10/06/2017	0.90 F	1/32	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/3	2
	Nickel	SW6020/SW6010B	10	01/09/2020	10	05/14/2015	2.0 F	5/28	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/20/2012	7.7	08/14/2012	4.2 F	2/1	-- [6]
	Lead	SW6010B	25	09/24/2018	6.6 F	01/13/2016	2.3 F	6/27	15
	Lead-Dissolved	SW6010B-DISS	25	08/14/2012	2.9 F	08/14/2012	2.9 F	1/2	15
	Zinc	SW6020/SW6010B	25/50	01/09/2020	33 F	03/11/2016	9.0 F	6/27	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/14/2012	616.5	08/30/2012	14.7 F	3/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-TSW-06									
	Dichloroethene, 1,1-	SW8260	1.2					0/22	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/22	70
	Tetrachloroethene	SW8260	1.4	12/12/2018	**23.4**	06/22/2016	1.37 F	21/1	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/22	100
	Trichloroethene	SW8260	1.0	12/12/2018	0.91 F	09/24/2015	0.16 F	11/11	5
	Vinyl chloride	SW8260	1.1					0/22	2
	Arsenic	SW6010B/SW6020	30/20	03/10/2016	**10.2** F	01/08/2020	0.30 F	14/8	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/18/2013	44.9	04/18/2013	44.9	1/0	2000
	Cadmium	SW6010B	7.0					0/22	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	02/10/2016	2.8 F	12/12/2018	1.1 F	10/12	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	09/26/2018	48	06/22/2016	4.0 F	2/20	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0	09/26/2018	0.40 F	09/26/2018	0.40 F	1/21	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	09/18/2019	2.0 F	09/18/2019	2.0 F	1/21	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/20/2012	12.7	07/20/2012	12.7	1/0	-- [6]
	Lead	SW6010B	25	02/10/2016	5.8 F	01/13/2016	2.8 F	3/19	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	09/26/2018	169	12/12/2018	9.0 F	10/12	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/20/2012	40.7 F	07/20/2012	40.7 F	1/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-TSW-07									
	Dichloroethene, 1,1-	SW8260	1.2					0/33	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/33	70
	Tetrachloroethene	SW8260	1.4	12/11/2018	**5.61**	03/10/2016	0.24 F	29/4	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/33	100
	Trichloroethene	SW8260	1.0	01/08/2020	**10.42**	11/18/2014	0.19 F	33/0	5
	Vinyl chloride	SW8260	1.1					0/33	2
	Arsenic	SW6010B	30	10/05/2017	**100.9**	06/19/2013	0.80 F	27/5	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.40 F	08/30/2012	0.40 F	1/1	10
	Barium	SW6010B	5.0	04/16/2013	56.8	04/16/2013	56.8	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	**40**	05/14/2015	**5.1** F	3/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/2	5
	Chromium	SW6010B	10	08/06/2014	**630.1**	04/16/2013	1.5 F	32/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/2	100
	Copper	SW6010B	10	07/23/2013	11	08/06/2014	4.0 F	9/23	1300
	Copper-Dissolved	SW6010B-DISS	10					0/2	1300
	Mercury	SW7470A	1.0	09/24/2015	**16.1**	09/16/2019	0.20 F	25/7	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/2	2
	Nickel	SW6010B/SW6020	10	02/18/2015	**24**	01/08/2020	2.0 F	20/12	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/2	-- [6]
	Lead	SW6010B	25	05/14/2015	14.8 F	04/16/2013	2.2 F	4/28	15
	Lead-Dissolved	SW6010B-DISS	25					0/2	15
	Zinc	SW6010B	50	08/06/2014	75	06/11/2019	9.0 F	14/18	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/2	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW13-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/11	7
	Bromodichloromethane	SW8260	0.8					0/4	80 [5]
	Bromoform	SW8260	1.2					0/4	80 [5]
	Chloroform	SW8260	0.3					0/4	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/13	70
	Dibromochloromethane	SW8260	0.5					0/4	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/4	-- [6]
	Methylene chloride	SW8260	2.0					0/4	5
	Naphthalene	SW8260	1.0					0/4	-- [6]
	Tetrachloroethene	SW8260	1.4	07/03/2002	**42.5**	08/31/2011	4.51	13/0	5
	Toluene	SW8260	1.1					0/4	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/13	100
	Trichloroethene	SW8260	1.0	01/08/2020	0.85 F	09/26/2018	0.20 F	6/7	5
	Vinyl chloride	SW8260	1.1					0/13	2
	Arsenic	SW6010B	30	09/26/2018	4.6 F	04/16/2013	0.70 F	4/3	10
	Barium	SW6010B	5.0	04/16/2013	45.2	04/16/2013	45.2	1/0	2000
	Cadmium	SW6010B	7.0	09/26/2018	1.2 F	09/26/2018	1.2 F	1/6	5
	Chromium	SW6010B	10	09/18/2019	2.4 F	04/08/2019	1.9 F	2/5	100
	Copper	SW6010B/SW6020	10	09/26/2018	11	01/08/2020	4.0 F	3/4	1300
	Mercury	SW7470A	1.0	09/26/2018	0.30 F	09/26/2018	0.30 F	1/6	2
	Nickel	SW6020		01/08/2020	25	01/08/2020	25	1/6	-- [6]
	Lead	SW6010B	25	06/12/2019	4.2 F	04/08/2019	3.2 F	4/3	15
	Zinc	SW6020	25	01/08/2020	253	01/08/2020	253	1/6	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW14-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/3	7
	Bromodichloromethane	SW8260	0.8					0/2	80 [5]
	Bromoform	SW8260	1.2					0/2	80 [5]
	Chloroform	SW8260	0.3					0/2	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/03/2002	0.60 F	07/03/2002	0.60 F	1/3	70
	Dibromochloromethane	SW8260	0.5					0/2	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/2	-- [6]
	Methylene chloride	SW8260	2.0					0/2	5
	Naphthalene	SW8260	1.0					0/2	-- [6]
	Tetrachloroethene	SW8260	1.4	07/03/2002	**50**	08/18/2011	1.64	4/0	5
	Toluene	SW8260	1.1					0/2	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/4	100
	Trichloroethene	SW8260	1.0	07/03/2002	1.2 F	07/03/2002	1.2 F	1/3	5
	Vinyl chloride	SW8260	1.1					0/4	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW15-UGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/41	7
	Bromodichloromethane	SW8260	0.8					0/6	80 [5]
	Bromoform	SW8260	1.2					0/6	80 [5]
	Chloroform	SW8260	0.3	10/27/2011	0.69 F	10/27/2011	0.69 F	1/5	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	08/31/2011	66.69	02/10/2014	5.15	37/6	70
	Dibromochloromethane	SW8260	0.5					0/6	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/5	-- [6]
	Methylene chloride	SW8260	2.0					0/5	5
	Naphthalene	SW8260	1.0					0/5	-- [6]
	Tetrachloroethene	SW8260	1.4	08/31/2011	**816.34**	09/24/2015	**7.46**	38/5	5
	Toluene	SW8260	1.1					0/5	1000
	trans-1,2-Dichloroethene	SW8260	0.6	12/14/2017	1.54	10/01/2012	0.15 F	24/19	100
	Trichloroethene	SW8260	1.0	08/31/2011	**36.84**	02/18/2015	4.24	38/5	5
	Vinyl chloride	SW8260	1.1					0/43	2
	Arsenic	SW6010B	30	09/19/2019	**30.3**	02/10/2016	0.30 F	19/14	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/4	10
	Barium	SW6010B	5.0	04/17/2013	27.8	04/17/2013	27.8	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	2.2 F	06/19/2013	0.40 F	5/28	5
	Cadmium-Dissolved	SW6010B-DISS	7.0	08/14/2012	0.50 F	10/01/2012	0.40 F	2/2	5
	Chromium	SW6010B	10	09/19/2019	76.4	09/24/2015	1.1 F	14/19	100
	Chromium-Dissolved	SW6010B-DISS	10	08/14/2012	15.4	08/14/2012	15.4	1/3	100
	Copper	SW6020/SW6010B	10	01/09/2020	29	11/18/2014	4.0 F	8/25	1300
	Copper-Dissolved	SW6010B-DISS	10	08/14/2012	6.2	07/18/2012	4.1 F	2/2	1300
	Mercury	SW7470A	1.0	04/10/2019	0.60 F	01/09/2020	0.20 F	7/26	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/4	2
	Nickel	SW6020/SW6010B	10	01/09/2020	9.0 F	07/23/2013	1.3 F	9/24	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/14/2012	9.0	07/18/2012	3.2 F	2/2	-- [6]
	Lead	SW6010B	25	02/18/2015	**34.3**	03/12/2018	2.2 F	12/21	15
	Lead-Dissolved	SW6010B-DISS	25					0/4	15
	Zinc	SW6010B	50	12/13/2018	**56090**	12/01/2015	974	34/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/18/2012	3819	08/30/2012	2141	4/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW16-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/13	7
	Bromodichloromethane	SW8260	0.8					0/5	80 [5]
	Bromoform	SW8260	1.2					0/5	80 [5]
	Chloroform	SW8260	0.3					0/5	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/15	70
	Dibromochloromethane	SW8260	0.5					0/5	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/5	-- [6]
	Methylene chloride	SW8260	2.0					0/5	5
	Naphthalene	SW8260	1.0					0/5	-- [6]
	Tetrachloroethene	SW8260	1.4	12/04/2002	**37**	07/18/2012	0.93 F	15/0	5
	Toluene	SW8260	1.1					0/5	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/15	100
	Trichloroethene	SW8260	1.0	09/27/2018	0.22 F	09/27/2018	0.22 F	2/13	5
	Vinyl chloride	SW8260	1.1					0/15	2
	Arsenic	SW6010B/SW6020	30/20	04/08/2019	**18.5** F	01/08/2020	0.70 F	3/5	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/17/2013	35.2	04/17/2013	35.2	1/0	2000
	Cadmium	SW6010B	7.0	04/08/2019	2.2 F	04/08/2019	2.2 F	1/7	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/18/2012	3.1 F	07/18/2012	3.1 F	1/7	100
	Chromium-Dissolved	SW6010B-DISS	10	07/18/2012	2.3 F	07/18/2012	2.3 F	1/0	100
	Copper	SW6010B	10	09/27/2018	9.0 F	12/12/2018	4.0 F	3/5	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	3.6 F	07/18/2012	3.6 F	1/0	1300
	Mercury	SW7470A	1.0					0/8	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6020/SW6010B	10	01/08/2020	4.0 F	07/18/2012	1.2 F	2/6	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/18/2012	2.3 F	07/18/2012	2.3 F	1/0	-- [6]
	Lead	SW6010B	25	04/08/2019	2.4 F	09/27/2018	2.3 F	2/6	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/18/2012	74	04/08/2019	9.0 F	8/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/18/2012	44.3 F	07/18/2012	44.3 F	1/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW17-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/3	7
	Bromodichloromethane	SW8260	0.8					0/2	80 [5]
	Bromoform	SW8260	1.2					0/2	80 [5]
	Chloroform	SW8260	0.3					0/2	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/19/2004	0.21 F	01/19/2004	0.21 F	1/3	70
	Dibromochloromethane	SW8260	0.5					0/2	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/2	-- [6]
	Methylene chloride	SW8260	2.0					0/2	5
	Naphthalene	SW8260	1.0					0/2	-- [6]
	Tetrachloroethene	SW8260	1.4	12/02/2004	**53.4**	08/31/2011	3.58	3/1	5
	Toluene	SW8260	1.1					0/2	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/4	100
	Trichloroethene	SW8260	1.0	12/02/2004	1.3 F	01/19/2004	1.0 F	2/2	5
	Vinyl chloride	SW8260	1.1					0/4	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW18-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/23	7
	Bromodichloromethane	SW8260	0.8					0/2	80 [5]
	Bromoform	SW8260	1.2					0/2	80 [5]
	Chloroform	SW8260	0.3					0/2	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/18/2012	2.23	04/18/2013	0.23 F	2/22	70
	Dibromochloromethane	SW8260	0.5					0/2	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/2	-- [6]
	Methylene chloride	SW8260	2.0					0/2	5
	Naphthalene	SW8260	1.0					0/2	-- [6]
	Tetrachloroethene	SW8260	1.4	06/25/2018	**83.29**	02/10/2016	0.37 F	24/0	5
	Toluene	SW8260	1.1					0/2	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/24	100
	Trichloroethene	SW8260	1.0	07/18/2012	1.15	03/12/2018	0.23 F	8/16	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	03/11/2016	**166.2**	07/18/2012	5.1	23/0	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/18/2013	239.9	04/18/2013	239.9	1/0	2000
	Cadmium	SW6010B	7.0	08/21/2015	**5.5** F	08/21/2015	**5.5** F	1/22	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	03/11/2016	**770.2**	07/18/2012	6.1	23/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	04/18/2013	23	04/18/2013	23	1/22	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	3.9 F	07/18/2012	3.9 F	1/0	1300
	Mercury	SW7470A	1.0	06/17/2019	0.90 F	09/19/2019	0.20 F	10/13	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B/SW6020	10	07/18/2012	21.7	01/09/2020	4.0 F	5/18	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/18/2012	1.1 F	07/18/2012	1.1 F	1/0	-- [6]
	Lead	SW6010B	25	04/18/2013	**28.1**	03/12/2018	3.4 F	5/18	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/18/2012	441	07/06/2017	9.0 F	11/12	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/18/2012	17.5 F	07/18/2012	17.5 F	1/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW19-UGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/37	7
	Bromodichloromethane	SW8260	0.8					0/4	80 [5]
	Bromoform	SW8260	1.2					0/4	80 [5]
	Chloroform	SW8260	0.3	10/27/2011	1.43 F	10/27/2011	1.43 F	1/3	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	08/31/2011	**233.6**	02/10/2016	1.27	28/10	70
	Dibromochloromethane	SW8260	0.5					0/4	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/3	-- [6]
	Methylene chloride	SW8260	2.0					0/3	5
	Naphthalene	SW8260	1.0					0/3	-- [6]
	Tetrachloroethene	SW8260	1.4	08/31/2011	**1751.56**	03/13/2018	0.40 F	32/6	5
	Toluene	SW8260	1.1					0/3	1000
	trans-1,2-Dichloroethene	SW8260	0.6	08/31/2011	6.35	09/17/2013	0.27 F	18/20	100
	Trichloroethene	SW8260	1.0	08/31/2011	**132.28**	09/24/2015	0.38 F	27/11	5
	Vinyl chloride	SW8260	1.1	09/19/2019	0.58 F	09/19/2019	0.58 F	1/37	2
	Arsenic	SW6010B/SW6020	30/20	02/19/2015	**767.9**	01/09/2020	0.30 F	27/4	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/2	10
	Barium	SW6010B	5.0	04/16/2013	35.9	04/16/2013	35.9	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	**12.6**	02/19/2015	0.70 F	3/28	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/2	5
	Chromium	SW6010B	10	02/19/2015	**891.4**	07/18/2012	1.1 F	30/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/2	100
	Copper	SW6010B	10	02/19/2015	140	04/03/2017	6.0 F	10/21	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	4.3 F	07/18/2012	4.3 F	1/1	1300
	Mercury	SW7470A	1.0	11/18/2014	0.60 F	02/10/2014	0.30 F	5/26	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/2	2
	Nickel	SW6010B	10	02/19/2015	17	07/23/2013	1.2 F	9/22	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/2	-- [6]
	Lead	SW6010B	25	11/18/2014	10.5 F	04/10/2019	3.4 F	8/23	15
	Lead-Dissolved	SW6010B-DISS	25					0/2	15
	Zinc	SW6010B	50	02/19/2015	1779	06/21/2016	21 F	22/9	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/30/2012	69.8	07/18/2012	41.8 F	2/0	5000

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AOC65-VEW20									
	Dichloroethene, 1,1-	SW8260	1.2					0/11	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3	10/27/2011	1.5 F	10/27/2011	1.5 F	1/0	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	08/31/2011	**136.97**	04/16/2013	8.24	11/0	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Tetrachloroethene	SW8260	1.4	08/31/2011	**18.41**	04/08/2019	0.20 F	8/3	5
	trans-1,2-Dichloroethene	SW8260	0.6	08/31/2011	13.95	04/16/2013	0.72	10/1	100
	Trichloroethene	SW8260	1.0	08/31/2011	**325.4**	04/16/2013	**19.05**	11/0	5
	Vinyl chloride	SW8260	1.1					0/11	2
	Arsenic	SW6010B	30	07/18/2012	**17.3**	04/16/2013	1.0 F	5/3	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/16/2013	51.4	04/16/2013	51.4	1/0	2000
	Cadmium	SW6010B	7.0	09/26/2018	0.90 F	09/26/2018	0.90 F	1/7	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/18/2012	79.4	09/18/2019	1.1 F	4/4	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	07/18/2012	29 B	09/26/2018	4.0 F	2/6	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	3.8 F	07/18/2012	3.8 F	1/0	1300
	Mercury	SW7470A	1.0	09/26/2018	0.30 F	09/26/2018	0.30 F	1/7	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B/SW6020	10	07/18/2012	48.9	01/08/2020	2.0 F	2/6	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25	07/18/2012	11.5	04/08/2019	2.3 F	2/6	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B/SW6020	50/25	07/18/2012	131	01/08/2020	12 F	2/6	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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AOC65-VEW21									
	Dichloroethene, 1,1-	SW8260	1.2					0/9	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/9	70
	Tetrachloroethene	SW8260	1.4	08/31/2011	2.49	04/04/2019	0.82 F	8/1	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/9	100
	Trichloroethene	SW8260	1.0	08/18/2011	3.37	04/04/2019	0.94 F	8/1	5
	Vinyl chloride	SW8260	1.1					0/9	2
	Arsenic	SW6010B/SW6020	30/20	09/26/2018	4.3 F	01/06/2020	0.80 F	4/3	10
	Barium	SW6010B	5.0	04/16/2013	46.6	04/16/2013	46.6	1/0	2000
	Cadmium	SW6010B	7.0					0/7	5
	Chromium	SW6010B	10	09/26/2018	14.1	09/16/2019	1.7 F	3/4	100
	Copper	SW6010B	10	09/26/2018	14	12/11/2018	5.0 F	2/5	1300
	Mercury	SW7470A	1.0					0/7	2
	Nickel	SW6010B/SW6020	10	09/26/2018	11	01/06/2020	2.0 F	3/4	-- [6]
	Lead	SW6010B	25	09/26/2018	14.9 F	06/11/2019	2.0 F	3/4	15
	Zinc	SW6010B	50	09/26/2018	29 F	12/11/2018	17 F	2/5	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW23									
	Dichloroethene, 1,1-	SW8260	1.2					0/15	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/11/2018	4.47	12/13/2017	0.37 F	11/4	70
	Tetrachloroethene	SW8260	1.4	12/11/2018	**24.61**	12/13/2017	1.04 F	15/0	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/15	100
	Trichloroethene	SW8260	1.0	11/29/2016	**9.54**	04/04/2019	0.40 F	15/0	5
	Vinyl chloride	SW8260	1.1					0/15	2
	Arsenic	SW6010B	30	10/04/2017	**48.7**	10/04/2016	1.7 F	11/2	10
	Barium	SW6010B	5.0	04/16/2013	193.9	04/16/2013	193.9	1/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/26/2018	1.4 F	01/06/2020	1.2 F	2/11	5
	Chromium	SW6010B	10	10/04/2017	71	11/29/2016	2.9 F	11/2	100
	Copper	SW6010B	10	10/04/2017	110	11/30/2015	4.0 F	8/5	1300
	Mercury	SW7470A	1.0	10/04/2017	1.0	01/06/2020	0.50 F	4/9	2
	Nickel	SW6010B	10	10/04/2017	95	06/11/2019	2.0 F	7/6	-- [6]
	Lead	SW6010B	25	04/16/2013	**87.4**	04/04/2019	2.2 F	9/4	15
	Zinc	SW6010B	50	10/04/2017	392	09/16/2019	97	4/9	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW25									
	Dichloroethene, 1,1-	SW8260	1.2					0/38	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2	10/15/2014	0.88 F	10/15/2014	0.88 F	1/0	80 [5]
	Chloroform	SW8260	0.3	10/15/2014	0.81 F	10/15/2014	0.81 F	1/0	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/01/2012	5.54	05/14/2015	0.19 F	11/27	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	01/09/2013	**353.74**	11/30/2015	0.33 F	38/0	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6	08/06/2014	0.24 F	08/06/2014	0.24 F	1/37	100
	Trichloroethene	SW8260	1.0	10/01/2012	**14.76**	12/13/2017	0.19 F	23/15	5
	Vinyl chloride	SW8260	1.1					0/38	2
	Arsenic	SW6010B	30	02/19/2015	**439.2**	09/26/2018	1.7 F	32/0	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Cadmium	SW6010B	7.0	11/18/2013	**76**	08/21/2015	0.80 F	6/26	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	02/19/2015	**755.2**	09/26/2018	6.8 F	32/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	07/23/2013	189	11/29/2016	4.0 F	13/19	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	3.9 F	07/18/2012	3.9 F	1/0	1300
	Mercury	SW7470A	1.0	11/18/2014	**4.1**	09/16/2019	0.20 F	19/13	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	09/17/2013	**104**	06/19/2013	1.7 F	23/9	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25	09/17/2013	**42.8**	08/21/2015	2.0 F	10/22	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	09/17/2013	721	03/12/2018	11 F	18/14	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW26									
	Dichloroethene, 1,1-	SW8260	1.2					0/3	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/3	70
	Tetrachloroethene	SW8260	1.4	07/18/2012	1.61	08/18/2011	0.79 F	3/0	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/3	100
	Trichloroethene	SW8260	1.0	08/18/2011	2.0	07/18/2012	0.40 F	3/0	5
	Vinyl chloride	SW8260	1.1					0/3	2
	Arsenic	SW6010B	30					0/1	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Cadmium	SW6010B	7.0					0/1	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/18/2012	1.5 F	07/18/2012	1.5 F	1/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	07/18/2012	4.0 F	07/18/2012	4.0 F	1/0	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	3.3 F	07/18/2012	3.3 F	1/0	1300
	Mercury	SW7470A	1.0					0/1	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/18/2012	2.4 F	07/18/2012	2.4 F	1/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/18/2012	2.0 F	07/18/2012	2.0 F	1/0	-- [6]
	Lead	SW6010B	25					0/1	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50					0/1	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW27									
	Dichloroethene, 1,1-	SW8260	1.2	11/30/2016	0.43 F	11/30/2016	0.43 F	1/38	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3	10/27/2011	2.24 F	10/27/2011	2.24 F	1/0	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/09/2013	**81.51**	01/13/2016	0.25 F	12/27	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Tetrachloroethene	SW8260	1.4	07/18/2012	**4998.29**	03/13/2018	0.53 F	34/5	5
	trans-1,2-Dichloroethene	SW8260	0.6	10/01/2012	4.88	07/18/2012	0.30 F	8/31	100
	Trichloroethene	SW8260	1.0	11/30/2016	**102.68**	08/06/2014	0.47 F	18/21	5
	Vinyl chloride	SW8260	1.1	04/03/2017	**8.26**	10/06/2017	1.49	3/36	2
	Arsenic	SW6010B/SW6020	30/20	02/19/2015	**567.6**	01/09/2020	0.30 F	32/1	10
	Arsenic-Dissolved	SW6010B-DISS	30	07/18/2012	0.70 F	07/18/2012	0.70 F	1/2	10
	Barium	SW6010B	5.0	04/16/2013	46.4	04/16/2013	46.4	1/0	2000
	Cadmium	SW6010B	7.0	11/18/2013	**72.2**	02/19/2015	2.5 F	4/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0	09/28/2012	0.40 F	09/28/2012	0.40 F	1/2	5
	Chromium	SW6010B	10	11/18/2014	**557.3**	07/18/2012	1.6 F	32/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/3	100
	Copper	SW6010B	10	02/19/2015	28	04/03/2017	4.0 F	9/24	1300
	Copper-Dissolved	SW6010B-DISS	10	08/30/2012	3.7 F	07/18/2012	3.5 F	2/1	1300
	Mercury	SW7470A	1.0	05/14/2015	1.3	12/13/2018	0.20 F	12/21	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/3	2
	Nickel	SW6010B	10	09/24/2015	66	07/23/2013	1.3 F	12/21	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/3	-- [6]
	Lead	SW6010B	25	02/19/2015	**18.1** F	02/10/2016	2.2 F	5/28	15
	Lead-Dissolved	SW6010B-DISS	25					0/3	15
	Zinc	SW6010B	50	08/21/2015	83	04/03/2017	10 F	8/25	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/3	5000

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW28A									
	Dichloroethene, 1,1-	SW8260	1.2					0/11	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/11	70
	Tetrachloroethene	SW8260	1.4	08/31/2011	**22.66**	09/18/2019	2.85	11/0	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/11	100
	Trichloroethene	SW8260	1.0	08/31/2011	**9.97**	04/08/2019	0.72 F	11/0	5
	Vinyl chloride	SW8260	1.1					0/11	2
	Arsenic	SW6010B/SW6020	30/20	04/18/2013	7.7	01/08/2020	1.0 F	4/5	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/18/2013	199.3	04/18/2013	199.3	1/0	2000
	Cadmium	SW6010B	7.0	08/25/2015	0.60 F	08/25/2015	0.60 F	1/8	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	08/25/2015	11.1	12/12/2018	1.2 F	9/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	04/18/2013	16	08/25/2015	9.0 F	3/6	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	3.8 F	07/18/2012	3.8 F	1/0	1300
	Mercury	SW7470A	1.0					0/9	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	04/18/2013	7.3	07/18/2012	5.2	3/6	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25	04/18/2013	9.2	08/25/2015	5.3 F	3/6	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B/SW6020	50/25	08/25/2015	52	01/08/2020	9.0 F	6/3	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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AOC65-VEW28B									
	Dichloroethene, 1,1-	SW8260	1.2					0/11	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/11	70
	Tetrachloroethene	SW8260	1.4	07/18/2012	**46.31**	10/01/2012	4.85	11/0	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/11	100
	Trichloroethene	SW8260	1.0	08/18/2011	3.74	04/08/2019	0.43 F	11/0	5
	Vinyl chloride	SW8260	1.1					0/11	2
	Arsenic	SW6020	20	01/08/2020	1.2 F	01/08/2020	1.2 F	1/6	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.70 F	07/18/2012	0.40 F	2/0	10
	Cadmium	SW6010B	7.0					0/7	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/2	5
	Chromium	SW6020/SW6010B	10	01/08/2020	4.0 F	12/12/2018	1.3 F	5/2	100
	Chromium-Dissolved	SW6010B-DISS	10					0/2	100
	Copper	SW6020/SW6010B	10	01/08/2020	16	09/27/2018	4.0 F	2/5	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	5.2 B	08/30/2012	3.2 F	2/0	1300
	Mercury	SW7470A	1.0					0/7	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/2	2
	Nickel	SW6020/SW6010B	10	01/08/2020	4.0 F	07/18/2012	1.6 F	2/5	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/18/2012	11.3	08/30/2012	1.4 F	2/0	-- [6]
	Lead	SW6020/SW6010B	2.0/25	01/08/2020	7.4 F	12/12/2018	2.5 F	2/5	15
	Lead-Dissolved	SW6010B-DISS	25					0/2	15
	Zinc	SW6020/SW6010B	25/50	01/08/2020	1826	07/18/2012	101	7/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/18/2012	384.3	08/30/2012	126.6	2/0	5000

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AOC65-VEW29									
	Dichloroethene, 1,1-	SW8260	1.2					0/23	7
	cis-1,2-Dichloroethene	SW8260	1.2	10/05/2017	16.53	08/31/2011	0.20 F	9/14	70
	Tetrachloroethene	SW8260	1.4	04/03/2017	**167.32**	04/10/2019	0.21 F	20/3	5
	trans-1,2-Dichloroethene	SW8260	0.6	12/14/2017	1.48	12/14/2017	1.48	1/22	100
	Trichloroethene	SW8260	1.0	12/14/2017	**5.47**	06/21/2016	0.18 F	16/7	5
	Vinyl chloride	SW8260	1.1	10/05/2017	0.74 F	09/24/2015	0.71 F	2/21	2
	Arsenic	SW6010B/SW6020	30/20	09/19/2019	**42.9**	01/09/2020	0.20	17/5	10
	Arsenic-Dissolved	SW6010B-DISS	30	07/18/2012	2.2 F	07/18/2012	2.2 F	1/0	10
	Barium	SW6010B	5.0	04/17/2013	86.1	04/17/2013	86.1	1/0	2000
	Cadmium	SW6010B	7.0	04/03/2017	0.70 F	04/03/2017	0.70 F	1/21	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	06/17/2019	27.9	12/01/2015	1.1 F	11/11	100
	Chromium-Dissolved	SW6010B-DISS	10	07/18/2012	1.2 F	07/18/2012	1.2 F	1/0	100
	Copper	SW6010B/SW6020	10	09/24/2015	32	01/09/2020	4.0 F	9/13	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	6.6 B	07/18/2012	6.6 B	1/0	1300
	Mercury	SW7470A	1.0	09/19/2019	0.20 F	09/19/2019	0.20 F	3/19	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	09/24/2015	17	04/17/2013	1.2 F	6/16	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/18/2012	2.8 F	07/18/2012	2.8 F	1/0	-- [6]
	Lead	SW6010B	25	09/24/2015	**45**	06/25/2018	2.0 F	7/15	15
	Lead-Dissolved	SW6010B-DISS	25	07/18/2012	11.1	07/18/2012	11.1	1/0	15
	Zinc	SW6010B	50	09/24/2015	303	10/04/2016	11 F	17/5	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW31									
	Dichloroethene, 1,1-	SW8260	1.2					0/24	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/24/2015	2.67 F	12/14/2017	0.08 F	9/15	70
	Tetrachloroethene	SW8260	1.4	08/18/2011	**431.93**	06/17/2019	1.04 F	21/3	5
	trans-1,2-Dichloroethene	SW8260	0.6	08/21/2015	0.21 F	08/21/2015	0.21 F	1/23	100
	Trichloroethene	SW8260	1.0	09/24/2015	**23.24**	12/13/2018	0.24 F	17/7	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B/SW6020	30/20	06/17/2019	**48.9**	01/09/2020	0.20	13/10	10
	Arsenic-Dissolved	SW6010B-DISS	30	07/18/2012	0.50 F	07/18/2012	0.50 F	1/0	10
	Barium	SW6010B	5.0	04/17/2013	69.3	04/17/2013	69.3	1/0	2000
	Cadmium	SW6010B	7.0	08/21/2015	1.7 F	08/21/2015	1.7 F	1/22	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/10/2019	**212.4**	10/05/2017	5.5 F	21/2	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	03/11/2016	7.0 F	04/03/2017	4.0 F	4/19	1300
	Copper-Dissolved	SW6010B-DISS	10	07/18/2012	5.9 B	07/18/2012	5.9 B	1/0	1300
	Mercury	SW7470A	1.0	04/10/2019	**2.7**	01/14/2016	0.20 F	7/16	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B/SW6020	10	08/21/2015	**15**	01/09/2020	2.0 F	6/17	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/18/2012	**1.3** F	07/18/2012	1.3 F	1/0	-- [6]
	Lead	SW6010B	25	08/21/2015	5.5 F	09/27/2018	2.0 F	6/17	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	09/24/2015	280	07/06/2017	10 F	13/10	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-VEW32									
	Dichloroethene, 1,1-	SW8260	1.2					0/40	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3	10/27/2011	2.24 F	10/27/2011	2.24 F	1/0	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/11/2016	16.95 F	09/28/2012	0.36 F	16/24	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Tetrachloroethene	SW8260	1.4	08/21/2015	**21340.11**	09/19/2019	3.75	40/0	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/40	100
	Trichloroethene	SW8260	1.0	03/11/2016	**42.61** F	12/01/2015	0.24 F	29/11	5
	Vinyl chloride	SW8260	1.1					0/40	2
	Arsenic	SW6010B	30	04/03/2017	**18.9** F	01/13/2016	0.30 F	22/11	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.40 F	08/30/2012	0.40 F	1/3	10
	Barium	SW6010B	5.0	04/18/2013	32.7	04/18/2013	32.7	1/0	2000
	Cadmium	SW6010B	7.0	02/18/2015	**8.4**	11/18/2013	0.80 F	3/30	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/4	5
	Chromium	SW6010B	10	04/10/2019	**250.4**	02/10/2014	1.1 F	30/3	100
	Chromium-Dissolved	SW6010B-DISS	10					0/4	100
	Copper	SW6010B	10	09/24/2018	44	10/06/2017	4.0 F	11/22	1300
	Copper-Dissolved	SW6010B-DISS	10	08/14/2012	7.1	08/30/2012	5.5	3/1	1300
	Mercury	SW7470A	1.0	04/10/2019	**8.4**	09/19/2019	0.20 F	6/27	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/4	2
	Nickel	SW6010B	10	04/03/2017	**11**	07/23/2013	1.7 F	5/28	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/14/2012	**1.8** F	08/14/2012	1.8 F	1/3	-- [6]
	Lead	SW6010B	25	09/24/2018	**18.6** F	05/14/2015	2.5 F	11/22	15
	Lead-Dissolved	SW6010B-DISS	25	08/14/2012	7.4	08/14/2012	7.4	1/3	15
	Zinc	SW6010B	50	04/03/2017	138	01/13/2016	9.0 F	21/12	5000
	Zinc-Dissolved	SW6010B-DISS	50	09/28/2012	14.7 F	08/14/2012	13.2 F	2/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
AOC65-SIW-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/22	7
	cis-1,2-Dichloroethene	SW8260	1.2	10/05/2016	**91.7**	09/24/2015	3.46	6/16	70
	Tetrachloroethene	SW8260	1.4	10/05/2016	**3194.35**	06/25/2018	1.46	14/8	5
	trans-1,2-Dichloroethene	SW8260	0.6	10/05/2016	1.43	02/10/2016	0.31 F	2/20	100
	Trichloroethene	SW8260	1.0	10/05/2016	**96.17**	12/01/2015	1.0	8/14	5
	Vinyl chloride	SW8260	1.1					0/22	2
	Arsenic	SW6010B	30	12/14/2017	**206.5**	12/01/2015	2.6 F	21/1	10
	Cadmium	SW6010B	7.0	09/03/2015	3.3 F	06/22/2016	0.80 F	3/19	5
	Chromium	SW6010B	10	06/17/2019	**499.9**	11/30/2016	61.9	22/0	100
	Copper	SW6010B	10					0/22	1300
	Mercury	SW7470A	1.0	09/03/2015	1.4	04/10/2019	0.20 F	8/14	2
	Nickel	SW6010B	10					0/22	-- [6]
	Lead	SW6010B	25	06/17/2019	**21.9** F	03/13/2018	3.0 F	4/18	15
	Zinc	SW6010B	50	09/03/2015	32 F	04/03/2017	12 F	2/20	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-EXW01									
	Dichloroethene, 1,1-	SW8260	1.2	07/20/2009	0.50 F	01/27/2011	0.36 F	2/22	7
	Bromodichloromethane	SW8260	0.8					0/24	80 [5]
	Bromoform	SW8260	1.2					0/24	80 [5]
	Chloroform	SW8260	0.3	04/25/2011	0.26 F	04/07/2014	0.11 F	15/9	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/25/2011	**366.62**	06/04/2018	8.67	24/0	70
	Dibromochloromethane	SW8260	0.5					0/24	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/24	-- [6]
	Methylene chloride	SW8260	2.0	09/24/2009	0.58 B	09/24/2009	0.58 B	1/23	5
	Naphthalene	SW8260	1.0					0/24	-- [6]
	Tetrachloroethene	SW8260	1.4	04/25/2011	**309.07**	05/12/2009	**5.8**	24/0	5
	Toluene	SW8260	1.1	05/12/2009	78	04/26/2010	0.39 F	3/21	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/20/2009	22	03/06/2019	0.59 F	21/3	100
	Trichloroethene	SW8260	1.0	04/25/2011	**327.49**	05/12/2009	**8.3**	24/0	5
	Vinyl chloride	SW8260	1.1	05/12/2009	**34**	04/26/2010	0.74 F	5/19	2
	Arsenic	SW6010B	30	04/08/2016	4.1 F	10/24/2011	0.40 F	10/13	10
	Barium	SW6010B	5.0	07/20/2009	46.2	01/18/2010	28	7/0	2000
	Cadmium	SW6010B	7.0					0/7	5
	Chromium	SW6010B	10					0/7	100
	Copper	SW6010B	10	01/18/2010	23	04/26/2010	3.8 F	4/3	1300
	Mercury	SW7470A	1.0	07/20/2009	0.079 F	10/20/2010	0.05 F	3/4	2
	Nickel	SW6010B	10	09/24/2009	8.2	07/23/2010	0.59 F	6/1	-- [6]
	Lead	SW6010B	25	01/18/2010	**30.6**	07/23/2010	2.1 F	3/4	15
	Zinc	SW6010B	50	09/24/2009	**10500**	07/20/2009	181	7/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-EXW02									
	Dichloroethene, 1,1-	SW8260	1.2					0/18	7
	Bromodichloromethane	SW8260	0.8					0/18	80 [5]
	Bromoform	SW8260	1.2					0/18	80 [5]
	Chloroform	SW8260	0.3	10/16/2012	0.17 F	10/07/2013	0.11 F	10/8	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/25/2011	**154.06**	06/04/2018	8.67	18/0	70
	Dibromochloromethane	SW8260	0.5					0/18	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/18	-- [6]
	Methylene chloride	SW8260	2.0					0/18	5
	Naphthalene	SW8260	1.0					0/18	-- [6]
	Tetrachloroethene	SW8260	1.4	04/25/2011	**137.02**	06/04/2018	**9.87**	17/1	5
	Toluene	SW8260	1.1					0/18	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/25/2011	10.04	12/31/2019	0.47 F	14/4	100
	Trichloroethene	SW8260	1.0	04/25/2011	**179.68**	05/19/2010	3.8	18/0	5
	Vinyl chloride	SW8260	1.1					0/18	2
	Arsenic	SW6010B	30	06/02/2010	4.5 F	04/07/2014	0.30 F	11/7	10
	Barium	SW6010B	5.0	05/19/2010	46.8	06/02/2010	44.5	2/0	2000
	Cadmium	SW6010B	7.0					0/2	5
	Chromium	SW6010B	10	05/19/2010	6.1	06/02/2010	1.5 F	2/0	100
	Copper	SW6010B	10	05/19/2010	9.6	06/02/2010	3.2 F	2/0	1300
	Mercury	SW7470A	1.0	06/02/2010	0.06 F	06/02/2010	0.06 F	1/1	2
	Nickel	SW6010B	10	05/19/2010	6.2	05/19/2010	6.2	1/1	-- [6]
	Lead	SW6010B	25	06/02/2010	1.7 F	06/02/2010	1.7 F	1/1	15
	Zinc	SW6010B	50	05/19/2010	29 F	06/02/2010	13.3 F	2/0	5000

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B3-EXW03									
	Dichloroethene, 1,1-	SW8260	1.2	10/07/2013	0.16 F	10/07/2013	0.16 F	1/12	7
	Bromodichloromethane	SW8260	0.8					0/13	80 [5]
	Bromoform	SW8260	1.2					0/13	80 [5]
	Chloroform	SW8260	0.3	01/16/2013	0.25 F	04/05/2013	0.13 F	5/8	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/07/2014	**162.07**	12/08/2016	2.27	13/0	70
	Dibromochloromethane	SW8260	0.5					0/13	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/13	-- [6]
	Methylene chloride	SW8260	2.0					0/13	5
	Naphthalene	SW8260	1.0					0/13	-- [6]
	Tetrachloroethene	SW8260	1.4	10/08/2014	**144.32**	12/08/2016	0.74 F	13/0	5
	Toluene	SW8260	1.1					0/13	1000
	trans-1,2-Dichloroethene	SW8260	0.6	01/16/2013	2.41	06/04/2018	0.40 F	10/3	100
	Trichloroethene	SW8260	1.0	04/07/2014	**164.97**	12/08/2016	0.73 F	13/0	5
	Vinyl chloride	SW8260	1.1					0/13	2
	Arsenic	SW6010B	30	04/08/2016	**13.4** F	10/19/2015	0.60 F	10/2	10

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-EXW04									
	Dichloroethene, 1,1-	SW8260	1.2	10/07/2013	0.21 F	04/05/2013	0.19 F	2/11	7
	Bromodichloromethane	SW8260	0.8					0/13	80 [5]
	Bromoform	SW8260	1.2					0/13	80 [5]
	Chloroform	SW8260	0.3	01/16/2013	0.28 F	04/07/2014	0.13 F	8/5	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/08/2015	**224.97**	12/08/2016	3.47	13/0	70
	Dibromochloromethane	SW8260	0.5					0/13	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/13	-- [6]
	Methylene chloride	SW8260	2.0					0/13	5
	Naphthalene	SW8260	1.0					0/13	-- [6]
	Tetrachloroethene	SW8260	1.4	10/07/2013	**194.8**	12/08/2016	1.02 F	13/0	5
	Toluene	SW8260	1.1					0/13	1000
	trans-1,2-Dichloroethene	SW8260	0.6	01/16/2013	3.25	06/04/2018	0.56 F	11/2	100
	Trichloroethene	SW8260	1.0	01/16/2013	**254.72**	12/08/2016	1.18	13/0	5
	Vinyl chloride	SW8260	1.1					0/13	2
	Arsenic	SW6010B/SW6020	30/20	09/05/2017	**10.3** F	12/31/2019	0.70 F	8/4	10

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-EXW05									
	Dichloroethene, 1,1-	SW8260	1.2					0/12	7
	Bromodichloromethane	SW8260	0.8					0/12	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260	0.3	10/27/2015	0.20 F	04/07/2014	0.11 F	9/3	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/04/2018	**135.17**	01/16/2013	23.38	12/0	70
	Dibromochloromethane	SW8260	0.5					0/12	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0					0/12	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	06/04/2018	**92.23**	01/16/2013	**17.18**	12/0	5
	Toluene	SW8260	1.1					0/12	1000
	trans-1,2-Dichloroethene	SW8260	0.6	06/04/2018	0.76	04/07/2014	0.19 F	9/3	100
	Trichloroethene	SW8260	1.0	06/04/2018	**125.51**	04/07/2014	**47.16**	12/0	5
	Vinyl chloride	SW8260	1.1					0/12	2
	Arsenic	SW6010B	30	03/04/2019	**11.3** F	10/08/2014	0.60 F	9/2	10

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW26-UGR									
	Dichloroethene, 1,1-	SW8260	1.2	04/26/2011	1.64	07/21/2011	0.36 F	2/19	7
	Bromodichloromethane	SW8260	0.8					0/21	80 [5]
	Bromoform	SW8260	1.2					0/21	80 [5]
	Chloroform	SW8260	0.3					0/21	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/26/2011	**311.04**	12/07/2016	1.39	21/0	70
	Dibromochloromethane	SW8260	0.5					0/21	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/21	-- [6]
	Methylene chloride	SW8260	2.0					0/21	5
	Naphthalene	SW8260	1.0					0/21	-- [6]
	Tetrachloroethene	SW8260	1.4	10/15/2012	4.44	10/20/2010	0.18 F	11/10	5
	Toluene	SW8260	1.1	10/24/2011	0.39 F	08/02/2010	0.19 F	7/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/26/2011	9.75	12/07/2016	0.43 F	21/0	100
	Trichloroethene	SW8260	1.0	06/23/2010	**8.4**	10/09/2013	0.16 F	16/5	5
	Vinyl chloride	SW8260	1.1	07/21/2011	**107.04**	12/07/2016	0.82 F	21/0	2
	Arsenic	SW6010B	30	09/06/2017	**14.5** F	10/15/2012	0.50 F	16/5	10
	Barium	SW6010B	5.0	08/02/2010	93.9	06/23/2010	82.9	3/0	2000
	Cadmium	SW6010B	7.0	08/02/2010	0.77 F	08/02/2010	0.77 F	1/2	5
	Chromium	SW6010B	10	06/23/2010	3.0 F	06/23/2010	3.0 F	1/2	100
	Copper	SW6010B	10	06/23/2010	2.8 F	06/23/2010	2.8 F	1/2	1300
	Mercury	SW7470A	1.0	08/02/2010	0.073 F	10/20/2010	0.06 F	3/0	2
	Nickel	SW6010B	10	06/23/2010	2.7 F	10/20/2010	1.3 F	3/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Zinc	SW6010B	50	06/23/2010	35.2 F	08/02/2010	16.6 F	2/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW27-UGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/25	7
	Bromodichloromethane	SW8260	0.8					0/25	80 [5]
	Bromoform	SW8260	1.2					0/25	80 [5]
	Chloroform	SW8260	0.3	04/26/2011	0.08 F	04/26/2011	0.08 F	1/24	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/04/2018	41.55	09/06/2017	0.24 F	24/1	70
	Dibromochloromethane	SW8260	0.5					0/25	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/25	-- [6]
	Methylene chloride	SW8260	2.0					0/25	5
	Naphthalene	SW8260	1.0					0/25	-- [6]
	Tetrachloroethene	SW8260	1.4	04/20/2010	0.83 F	05/19/2010	0.18 F	4/21	5
	Toluene	SW8260	1.1	01/02/2020	0.96 F	04/26/2011	0.17 F	6/19	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/10/2014	4.61	04/26/2011	0.20 F	25/0	100
	Trichloroethene	SW8260	1.0	10/24/2011	2.38	12/07/2016	0.26 F	10/15	5
	Vinyl chloride	SW8260	1.1	04/10/2014	**33.07**	04/26/2011	0.39 F	24/1	2
	Arsenic	SW6010B	30	09/06/2017	**23.8** F	10/09/2013	1.0 F	15/10	10
	Barium	SW6010B	5.0	06/23/2010	153	02/24/2010	70.5	7/0	2000
	Cadmium	SW6010B	7.0	08/02/2010	0.84 F	08/02/2010	0.84 F	1/6	5
	Chromium	SW6010B	10	06/23/2010	2.7 F	08/02/2010	1.8 F	2/5	100
	Copper	SW6010B	10	04/20/2010	11.9 B	06/23/2010	2.7 F	4/3	1300
	Mercury	SW7470A	1.0	08/02/2010	0.099 F	10/22/2010	0.07 F	3/4	2
	Nickel	SW6010B	10	10/22/2010	4.4 F	08/02/2010	2.1 F	3/4	-- [6]
	Lead	SW6010B	25	06/23/2010	3.1 F	06/23/2010	3.1 F	1/6	15
	Zinc	SW6010B	50	10/22/2010	99	05/19/2010	12.4 F	6/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW29-UGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/9	7
	Bromodichloromethane	SW8260	0.8					0/9	80 [5]
	Bromoform	SW8260	1.2					0/9	80 [5]
	Chloroform	SW8260	0.3					0/9	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/9	70
	Dibromochloromethane	SW8260	0.5					0/9	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/9	-- [6]
	Methylene chloride	SW8260	2.0					0/9	5
	Naphthalene	SW8260	1.0					0/9	-- [6]
	Tetrachloroethene	SW8260	1.4	10/15/2012	1.39 F	12/07/2016	0.27 F	7/2	5
	Toluene	SW8260	1.1	08/02/2010	0.26 F	08/02/2010	0.26 F	1/8	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/9	100
	Trichloroethene	SW8260	1.0	10/15/2012	1.06	09/06/2017	0.22 F	5/4	5
	Vinyl chloride	SW8260	1.1					0/9	2
	Arsenic	SW6010B	30	09/06/2017	**11.2** F	04/18/2016	0.40 F	7/2	10
	Barium	SW6010B	5.0	08/02/2010	199	06/23/2010	100	2/0	2000
	Cadmium	SW6010B	7.0	06/23/2010	1.2 F	08/02/2010	0.52 F	2/0	5
	Chromium	SW6010B	10	08/02/2010	6.6	06/23/2010	2.8 F	2/0	100
	Copper	SW6010B	10	06/23/2010	3.0 F	06/23/2010	3.0 F	1/1	1300
	Mercury	SW7470A	1.0	08/02/2010	0.12 F	06/23/2010	0.096 F	2/0	2
	Nickel	SW6010B	10	08/02/2010	3.7 F	06/23/2010	2.3 F	2/0	-- [6]
	Lead	SW6010B	25	06/23/2010	1.6 F	06/23/2010	1.6 F	1/1	15
	Zinc	SW6010B	50	08/02/2010	57.5	06/23/2010	40.2 F	2/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW30-UGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/13	7
	Bromodichloromethane	SW8260	0.8					0/13	80 [5]
	Bromoform	SW8260	1.2					0/13	80 [5]
	Chloroform	SW8260	0.3					0/13	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/15/2012	5.95	04/12/2013	0.22 F	9/4	70
	Dibromochloromethane	SW8260	0.5					0/13	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/13	-- [6]
	Methylene chloride	SW8260	2.0					0/13	5
	Naphthalene	SW8260	1.0					0/13	-- [6]
	Tetrachloroethene	SW8260	1.4	10/15/2012	**17.48**	01/02/2020	2.56	12/1	5
	Toluene	SW8260	1.1	10/22/2010	0.80 F	10/15/2012	0.35 F	5/8	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/13	100
	Trichloroethene	SW8260	1.0	06/04/2018	**10.26**	10/26/2015	0.36 F	13/0	5
	Vinyl chloride	SW8260	1.1					0/13	2
	Arsenic	SW6010B	30	03/07/2019	**18.5** F	04/12/2013	0.50 F	9/4	10
	Barium	SW6010B	5.0	08/02/2010	189	06/23/2010	138	3/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Chromium	SW6010B	10	08/02/2010	11.1	06/23/2010	2.5 F	3/0	100
	Copper	SW6010B	10	10/22/2010	9.0	06/23/2010	1.5 F	2/1	1300
	Mercury	SW7470A	1.0	06/23/2010	0.086 F	10/22/2010	0.08 F	2/1	2
	Nickel	SW6010B	10	10/22/2010	9.2	06/23/2010	1.9 F	3/0	-- [6]
	Lead	SW6010B	25	10/22/2010	4.6 F	08/02/2010	1.6 F	2/1	15
	Zinc	SW6010B	50	10/22/2010	235	06/23/2010	37.9 F	3/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW31-UGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/21	7
	Bromodichloromethane	SW8260	0.8					0/21	80 [5]
	Bromoform	SW8260	1.2					0/21	80 [5]
	Chloroform	SW8260	0.3					0/21	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/20/2011	58.24	10/14/2014	2.83	21/0	70
	Dibromochloromethane	SW8260	0.5					0/21	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/21	-- [6]
	Methylene chloride	SW8260	2.0					0/21	5
	Naphthalene	SW8260	1.0					0/21	-- [6]
	Tetrachloroethene	SW8260	1.4	06/23/2010	**23**	04/06/2015	0.58 F	21/0	5
	Toluene	SW8260	1.1	10/22/2010	1.02 F	07/20/2011	0.54 F	6/15	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/10/2014	2.28	06/04/2018	0.39 F	19/2	100
	Trichloroethene	SW8260	1.0	01/20/2011	**12.69**	10/09/2013	1.16	21/0	5
	Vinyl chloride	SW8260	1.1	10/26/2015	**4.54**	06/04/2018	0.23 F	6/15	2
	Arsenic	SW6010B	30	09/06/2017	**11.9** F	10/22/2010	0.60 F	13/8	10
	Barium	SW6010B	5.0	08/03/2010	112	10/22/2010	62.3	3/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Chromium	SW6010B	10	08/03/2010	20.4	06/23/2010	3.8 F	2/1	100
	Copper	SW6010B	10	06/23/2010	4.7 F	06/23/2010	4.7 F	1/2	1300
	Mercury	SW7470A	1.0	08/03/2010	0.11 F	06/23/2010	0.067 F	2/1	2
	Nickel	SW6010B	10	08/03/2010	16.9	10/22/2010	4.8 F	3/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Zinc	SW6010B	50	10/22/2010	99	06/23/2010	23.7 F	3/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW32-UGR									
	Dichloroethene, 1,1-	SW8260	1.2	01/20/2011	0.42 F	04/26/2011	0.22 F	2/17	7
	Bromodichloromethane	SW8260	0.8					0/19	80 [5]
	Bromoform	SW8260	1.2					0/19	80 [5]
	Chloroform	SW8260	0.3					0/19	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/20/2011	**278.59**	09/06/2017	3.63	19/0	70
	Dibromochloromethane	SW8260	0.5					0/19	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/19	-- [6]
	Methylene chloride	SW8260	2.0					0/19	5
	Naphthalene	SW8260	1.0					0/19	-- [6]
	Tetrachloroethene	SW8260	1.4	06/23/2010	**67**	09/06/2017	0.87 F	19/0	5
	Toluene	SW8260	1.1	08/03/2010	0.94 F	10/09/2013	0.20 F	4/15	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/21/2011	2.33	09/06/2017	0.19 F	13/6	100
	Trichloroethene	SW8260	1.0	01/20/2011	**38.75**	01/02/2020	0.85 F	19/0	5
	Vinyl chloride	SW8260	1.1	12/07/2016	**2.85**	04/12/2013	0.43 F	5/14	2
	Arsenic	SW6010B	30	09/06/2017	**17** F	10/22/2010	0.30 F	16/3	10
	Barium	SW6010B	5.0	08/03/2010	69	06/23/2010	29.4	3/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Chromium	SW6010B	10	08/03/2010	12.4	10/22/2010	1.4 F	2/1	100
	Copper	SW6010B	10	06/23/2010	1.9 F	06/23/2010	1.9 F	1/2	1300
	Mercury	SW7470A	1.0	08/03/2010	0.077 F	10/22/2010	0.06 F	3/0	2
	Nickel	SW6010B	10	08/03/2010	6.9	10/22/2010	2.5 F	2/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Zinc	SW6010B	50	10/22/2010	136	06/23/2010	10.4 F	3/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW33-UGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	Bromodichloromethane	SW8260	0.8					0/20	80 [5]
	Bromoform	SW8260	1.2					0/20	80 [5]
	Chloroform	SW8260	0.3					0/20	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/07/2016	**104.9**	09/06/2017	0.60 F	20/0	70
	Dibromochloromethane	SW8260	0.5					0/20	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/20	-- [6]
	Methylene chloride	SW8260	2.0					0/20	5
	Naphthalene	SW8260	1.0					0/20	-- [6]
	Tetrachloroethene	SW8260	1.4	06/23/2010	**26**	10/14/2014	0.61 F	18/2	5
	Toluene	SW8260	1.1	08/03/2010	0.58 F	10/15/2012	0.19 F	6/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6	10/15/2012	1.94	04/26/2011	0.16 F	12/8	100
	Trichloroethene	SW8260	1.0	03/07/2019	**20.7**	10/14/2014	1.76	18/2	5
	Vinyl chloride	SW8260	1.1	06/04/2018	**21.27**	10/09/2013	0.28 F	10/10	2
	Arsenic	SW6010B	30	03/07/2019	**14.3** F	04/06/2015	0.60 F	12/8	10
	Barium	SW6010B	5.0	10/22/2010	67.1	06/23/2010	42.5	3/0	2000
	Cadmium	SW6010B	7.0	08/03/2010	0.88 F	08/03/2010	0.88 F	1/2	5
	Chromium	SW6010B	10	08/03/2010	1.9 F	06/23/2010	1.5 F	2/1	100
	Copper	SW6010B	10					0/3	1300
	Mercury	SW7470A	1.0	08/03/2010	0.078 F	10/22/2010	0.05 F	2/1	2
	Nickel	SW6010B	10	10/22/2010	1.4 F	06/23/2010	0.80 F	2/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Zinc	SW6010B	50	10/22/2010	113	06/23/2010	16.4 F	3/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
B3-MW34-UGR									
	Dichloroethene, 1,1-	SW8260	1.2	04/26/2011	2.85	07/21/2011	0.52 F	3/18	7
	Bromodichloromethane	SW8260	0.8					0/21	80 [5]
	Bromoform	SW8260	1.2					0/21	80 [5]
	Chloroform	SW8260	0.3					0/21	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/15/2012	**639.03**	04/07/2015	0.29 F	20/1	70
	Dibromochloromethane	SW8260	0.5					0/21	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/21	-- [6]
	Methylene chloride	SW8260	2.0					0/21	5
	Naphthalene	SW8260	1.0					0/21	-- [6]
	Tetrachloroethene	SW8260	1.4	10/15/2012	**79.29**	01/20/2011	0.30 F	10/11	5
	Toluene	SW8260	1.1	08/03/2010	0.81 F	09/06/2017	0.17 F	6/15	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/26/2011	10.06	10/26/2015	0.78	18/3	100
	Trichloroethene	SW8260	1.0	10/15/2012	**95.76**	04/12/2013	0.16 F	13/8	5
	Vinyl chloride	SW8260	1.1	04/26/2011	**147.95**	12/07/2016	0.46 F	18/3	2
	Arsenic	SW6010B	30	09/06/2017	**21.6** F	07/21/2011	0.60 F	18/3	10
	Barium	SW6010B	5.0	06/23/2010	115	08/03/2010	77.6	3/0	2000
	Cadmium	SW6010B	7.0	08/03/2010	0.57 F	08/03/2010	0.57 F	1/2	5
	Chromium	SW6010B	10	06/23/2010	18.1	08/03/2010	2.1 F	2/1	100
	Copper	SW6010B	10	06/23/2010	10.9	06/23/2010	10.9	1/2	1300
	Mercury	SW7470A	1.0	06/23/2010	0.095 F	10/20/2010	0.06 F	3/0	2
	Nickel	SW6010B	10	06/23/2010	22.6	10/20/2010	4.9 F	3/0	-- [6]
	Lead	SW6010B	25	06/23/2010	6.2	06/23/2010	6.2	1/2	15
	Zinc	SW6010B	50	06/23/2010	64.1	10/20/2010	24 F	3/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-1									
	Dichloroethene, 1,1-	SW8260	1.2	09/15/2004	0.053 F	09/15/2004	0.053 F	1/51	7
	Bromodichloromethane	SW8260						0/18	80 [5]
	Bromoform	SW8260						0/17	80 [5]
	Chloroform	SW8260	0.3	06/17/2002	0.076 F	09/16/2003	0.053 F	3/15	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/66	70
	Dibromochloromethane	SW8260						0/18	80 [5]
	Dichlorodifluoromethane	SW8260						0/17	-- [6]
	Methylene chloride	SW8260	2.0	03/11/2004	0.64 F	03/19/2003	0.31 F	5/13	5
	Naphthalene	SW8260						0/17	-- [6]
	Tetrachloroethene	SW8260	1.4	06/17/2016	0.27 F	09/15/2004	0.066 F	15/51	5
	Toluene	SW8260	1.1	03/19/2003	3.7 B	12/16/2003	0.091 F	4/13	1000
	trans-1,2-Dichloroethene	SW8260						0/52	100
	Trichloroethene	SW8260	1.0	06/17/2002	0.63 F	09/15/2004	0.093 F	33/33	5
	Vinyl chloride	SW8260						0/66	2
	Arsenic	SW6010B	30	06/17/2016	7.8 F	03/04/2019	0.24 F	34/30	10
	Barium	SW6010B	5.0	06/14/2010	45	09/16/2009	29.7	64/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	12/08/2014	1.4 F	06/17/2002	0.027 F	4/60	5
	Chromium	SW6010B	10	03/14/2018	7.0 F	03/09/2015	1.2 F	6/58	100
	Copper	SW6010B	10	03/11/2004	42 J	03/19/2003	2.2 F	51/13	1300
	Mercury	SW7470A	1.0	06/26/2008	0.40 F	12/02/2004	0.039 F	6/58	2
	Nickel	SW6010B	10	12/11/2001	3.0 F	06/15/2005	1.7 F	5/15	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/14/2011	**29.4**	06/15/2006	0.98 F	32/33	15
	Zinc	SW6010B	50	01/03/2013	732	09/18/2008	67	63/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-2									
	Dichloroethene, 1,1-	SW8260						0/33	7
	Bromodichloromethane	SW8260						0/20	80 [5]
	Bromoform	SW8260	1.2					0/14	80 [5]
	Chloroform	SW8260	0.3	03/20/2003	0.12 F	12/16/2002	0.11 F	2/18	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/36	70
	Dibromochloromethane	SW8260						0/20	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/14	-- [6]
	Methylene chloride	SW8260	2.0	09/19/2003	0.73 F	09/16/2004	0.28 F	5/15	5
	Naphthalene	SW8260	1.0					0/13	-- [6]
	Tetrachloroethene	SW8260	1.4	01/30/2006	0.885 F	09/10/2002	0.073 F	16/20	5
	Toluene	SW8260	1.1	03/20/2003	8.7 J	03/20/2003	8.7 J	1/13	1000
	trans-1,2-Dichloroethene	SW8260						0/32	100
	Trichloroethene	SW8260	1.0	02/05/2010	0.19 F	12/10/2003	0.071 F	4/32	5
	Vinyl chloride	SW8260						0/36	2
	Arsenic	SW6010B/SW6020	30/20	01/30/2006	5.62 F	06/16/2004	0.54 F	7/3	10
	Barium	SW6010B	5.0	06/13/2006	40	12/14/2001	31.8	9/0	2000
	Cadmium	SW6020	2.0	06/19/2003	0.11 F	06/18/2002	0.032 F	2/19	5
	Chromium	SW6010B	10	06/18/2002	39 J	09/05/2013	1.1 F	9/11	100
	Copper	SW6010B	10	06/19/2003	1.6 F	06/19/2003	1.6 F	1/8	1300
	Mercury	SW7470A	1.0	06/14/2005	0.055 F	06/14/2005	0.055 F	1/19	2
	Nickel	SW6010B	10	06/18/2002	18.7 J	06/14/2005	1.2 F	4/6	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/11/2008	3.0 F	12/13/2007	0.20 F	12/9	15
	Zinc	SW6010B	50	01/30/2006	18.1 F	06/19/2003	5.3 F	7/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-3									
	Dichloroethene, 1,1-	SW8260	1.2					0/1	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/1	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	02/05/2010	1.2 F	02/05/2010	1.2 F	1/0	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/1	100
	Trichloroethene	SW8260	1.0					0/1	5
	Vinyl chloride	SW8260	1.1					0/1	2
	Arsenic	SW6010B	30					0/1	10

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-4									
	Dichloroethene, 1,1-	SW8260	1.2					0/28	7
	Bromodichloromethane	SW8260	0.8					0/15	80 [5]
	Bromoform	SW8260	1.2					0/15	80 [5]
	Chloroform	SW8260	0.3	02/24/2010	0.092 F	06/16/2004	0.057 F	2/13	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/09/2009	65.09 J	09/09/2016	0.09 F	23/8	70
	Dibromochloromethane	SW8260	0.5					0/15	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/15	-- [6]
	Methylene chloride	SW8260	2.0	09/25/2003	0.43 F	03/11/2004	0.28 M	3/12	5
	Naphthalene	SW8260	1.0					0/15	-- [6]
	Tetrachloroethene	SW8260	1.4	12/09/2009	**43.44**	06/10/2015	0.57 F	30/1	5
	Toluene	SW8260	1.1	12/16/2003	0.076 F	12/16/2003	0.076 F	1/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6	12/09/2009	0.73 J	09/15/2004	0.061 F	5/23	100
	Trichloroethene	SW8260	1.0	12/09/2009	**86.89**	06/16/2017	0.25 F	31/0	5
	Vinyl chloride	SW8260	1.1					0/31	2
	Arsenic	SW6020/SW6010B	20/30	06/23/2003	0.57 F	01/31/2011	0.40 F	4/3	10
	Barium	SW6010B	5.0	02/24/2010	32.3	06/14/2005	29	5/0	2000
	Cadmium	SW6020	2.0	09/25/2007	0.50 F	06/16/2004	0.034 F	4/13	5
	Chromium	SW6010B	10					0/15	100
	Copper	SW6010B	10	06/23/2003	2.0 F	04/26/2010	1.0 F	2/3	1300
	Mercury	SW7470A	1.0	04/26/2010	0.061 F	06/14/2005	0.056 F	2/13	2
	Nickel	SW6010B	10					0/7	-- [6]
	Lead	SW6010B/SW6020	25/2.0	03/12/2008	2.8 F	06/23/2003	0.19 F	7/10	15
	Zinc	SW6010B	50	06/23/2003	72	04/26/2010	3.4 F	4/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-9									
	Dichloroethene, 1,1-	SW8260						0/40	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260						0/16	80 [5]
	Chloroform	SW8260	0.3	06/13/2006	1.1	06/13/2006	1.1	1/16	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/40	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260						0/16	-- [6]
	Methylene chloride	SW8260	2.0	06/13/2006	1.1 F	03/19/2002	0.25 F	5/12	5
	Naphthalene	SW8260						0/16	-- [6]
	Tetrachloroethene	SW8260	1.4	06/17/2003	0.061 F	09/16/2003	0.05 F	4/36	5
	Toluene	SW8260	1.1	03/19/2003	2.5 B	12/15/2003	0.10 F	5/11	1000
	trans-1,2-Dichloroethene	SW8260						0/40	100
	Trichloroethene	SW8260						0/40	5
	Vinyl chloride	SW8260						0/40	2
	Arsenic	SW6010B	30	09/08/2010	4.5 F	03/09/2011	0.30 F	22/8	10
	Barium	SW6010B	5.0	09/08/2010	46	12/03/2004	30	30/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/08/2010	0.90 F	09/10/2002	0.032 F	8/32	5
	Chromium	SW6010B	10	06/13/2006	8.8 F	06/14/2010	2.0 F	8/31	100
	Copper	SW6010B	10	12/08/2010	70	12/15/2003	2.3 F	26/4	1300
	Mercury	SW7470A	1.0	12/15/2011	**18**	12/03/2004	0.031 F	32/9	2
	Nickel	SW6010B	10	12/13/2007	**22**	06/26/2008	2.0 F	6/14	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/15/2011	**58.1**	06/15/2005	0.56 F	42/0	15
	Zinc	SW6010B	50	06/13/2006	3400	06/22/2004	49 F	32/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-10									
	Dichloroethene, 1,1-	SW8260	1.2	09/15/2004	0.071 F	09/15/2004	0.071 F	1/52	7
	Bromodichloromethane	SW8260	0.8	06/22/2006	1.5	06/22/2006	1.5	1/17	80 [5]
	Bromoform	SW8260	1.2	06/22/2006	0.30 F	06/22/2006	0.30 F	1/16	80 [5]
	Chloroform	SW8260	0.3	06/22/2006	9.4	06/17/2002	0.053 F	16/2	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/67	70
	Dibromochloromethane	SW8260	0.5	06/22/2006	0.75	06/22/2006	0.75	1/17	80 [5]
	Dichlorodifluoromethane	SW8260						0/17	-- [6]
	Methylene chloride	SW8260	2.0	03/11/2004	0.61 F	03/19/2003	0.29 F	5/13	5
	Naphthalene	SW8260						0/17	-- [6]
	Tetrachloroethene	SW8260	1.4	03/30/2017	0.18 F	06/22/2004	0.055 F	10/57	5
	Toluene	SW8260	1.1	06/22/2006	16	12/16/2003	0.089 F	3/14	1000
	trans-1,2-Dichloroethene	SW8260						0/53	100
	Trichloroethene	SW8260	1.0	03/08/2010	0.24 F	03/08/2010	0.24 F	1/66	5
	Vinyl chloride	SW8260						0/67	2
	Arsenic	SW6010B	30	06/17/2016	6.0 F	09/27/2016	0.24 F	38/27	10
	Barium	SW6010B	5.0	06/14/2010	50.3	06/17/2002	34.9	65/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	12/08/2014	1.2 F	12/10/2002	0.026 F	6/59	5
	Chromium	SW6010B	10	09/12/2012	12	03/19/2003	0.74 F	14/51	100
	Copper	SW6010B	10	12/08/2010	33	09/10/2002	1.4 F	46/19	1300
	Mercury	SW7470A	1.0	06/22/2006	0.58 F	09/15/2004	0.029 F	9/56	2
	Nickel	SW6010B	10	09/17/2001	9.0 F	09/08/2005	1.2 F	9/11	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/10/2019	9.6 F	06/22/2004	0.48 F	31/35	15
	Zinc	SW6010B	50	12/14/2009	1325	09/15/2004	13 F	65/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-12									
	Dichloroethene, 1,1-	SW8260	1.2					0/29	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3	03/25/2009	1.49	03/25/2009	1.49	1/0	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/44	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	12/03/2018	1.83	12/13/2016	0.08 F	4/40	5
	Toluene	SW8260	1.1	03/25/2009	0.55 F	03/25/2009	0.55 F	1/0	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/29	100
	Trichloroethene	SW8260	1.0					0/44	5
	Vinyl chloride	SW8260	1.1					0/44	2
	Arsenic	SW6010B	30	09/17/2010	8.2 F	09/09/2014	0.80 F	20/23	10
	Barium	SW6010B	5.0	06/14/2010	38	09/15/2015	28.2	43/0	2000
	Cadmium	SW6010B	7.0	12/08/2014	1.3 F	06/14/2010	0.60 F	3/40	5
	Chromium	SW6010B	10	06/27/2017	74.6	03/30/2017	1.2 F	15/28	100
	Copper	SW6010B	10	09/15/2015	96	09/12/2012	4.0 F	34/9	1300
	Mercury	SW7470A	1.0	11/15/2011	0.20 F	11/15/2011	0.20 F	1/42	2
	Nickel	SW6010B	10	03/25/2009	3.0 F	03/25/2009	3.0 F	1/0	-- [6]
	Lead	SW6010B	25	03/09/2010	**25**	03/04/2019	2.3 F	12/31	15
	Zinc	SW6010B	50	03/09/2010	1400	03/30/2017	28 F	43/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-13									
	Dichloroethene, 1,1-	SW8260	1.2					0/12	7
	Bromodichloromethane	SW8260	0.8					0/3	80 [5]
	Bromoform	SW8260	1.2					0/3	80 [5]
	Chloroform	SW8260	0.3	05/02/2012	3.53	03/15/2012	0.37	2/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/24	70
	Dibromochloromethane	SW8260	0.5					0/3	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/3	-- [6]
	Methylene chloride	SW8260	2.0					0/3	5
	Naphthalene	SW8260	1.0					0/3	-- [6]
	Tetrachloroethene	SW8260	1.4					0/24	5
	Toluene	SW8260	1.1	05/02/2012	3.64	03/15/2012	2.34	2/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/12	100
	Trichloroethene	SW8260	1.0					0/24	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	05/02/2012	8.2 F	06/17/2013	1.5 F	17/7	10
	Barium	SW6010B	5.0	09/07/2018	34.7	09/14/2015	27.4	24/0	2000
	Cadmium	SW6010B	7.0	12/08/2014	1.0 F	12/08/2014	1.0 F	1/23	5
	Chromium	SW6010B	10	06/23/2014	3.9 F	06/05/2019	1.1 F	12/12	100
	Copper	SW6010B	10	12/03/2018	14	06/15/2015	4.0 F	8/16	1300
	Mercury	SW7470A	1.0					0/24	2
	Nickel	SW6010B	10	03/15/2012	11	05/02/2012	9.0 F	2/0	-- [6]
	Lead	SW6010B	25	03/15/2012	10.2 F	06/05/2019	2.1 F	8/15	15
	Zinc	SW6010B	50	06/15/2015	522	03/15/2012	120	24/0	5000

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[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-B3-MW01									
	Dichloroethene, 1,1-	SW8260	1.2					0/28	7
	Bromodichloromethane	SW8260	0.8					0/28	80 [5]
	Bromoform	SW8260	1.2					0/28	80 [5]
	Chloroform	SW8260	0.3	10/09/2014	0.11 F	10/09/2014	0.11 F	1/27	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/29/2009	**510**	10/09/2014	0.20 F	22/6	70
	Dibromochloromethane	SW8260	0.5					0/28	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/28	-- [6]
	Methylene chloride	SW8260	2.0					0/28	5
	Naphthalene	SW8260	1.0	10/15/2007	**0.50**	10/15/2007	0.50	1/27	-- [6]
	Tetrachloroethene	SW8260	1.4	07/20/2011	0.77 F	07/27/2007	0.21 F	6/22	5
	Toluene	SW8260	1.1	04/12/2012	0.29 F	07/20/2011	0.12 F	3/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/20/2009	17	04/11/2013	0.30 F	25/3	100
	Trichloroethene	SW8260	1.0	01/18/2010	3.2	10/27/2008	0.17 F	12/16	5
	Vinyl chloride	SW8260	1.1	07/29/2010	**220**	01/20/2009	**2.2**	28/0	2
	Arsenic	SW6010B	30	04/21/2008	**26.9**	12/28/2016	0.30 F	18/10	10
	Barium	SW6010B	5.0	01/20/2009	1230	01/18/2010	88.5	14/0	2000
	Cadmium	SW6010B	7.0	01/20/2009	1.2 F	04/20/2009	0.71 F	3/11	5
	Chromium	SW6010B	10	01/20/2009	11	07/29/2010	1.7 F	9/5	100
	Copper	SW6010B	10	01/21/2008	10.9	07/21/2008	2.2 F	6/8	1300
	Mercury	SW7470A	1.0	01/18/2010	0.18 F	10/20/2010	0.05 F	9/5	2
	Nickel	SW6010B	10	01/20/2009	36.9	01/18/2010	0.76 F	14/0	-- [6]
	Lead	SW6010B	25	01/21/2008	**82.4**	07/29/2010	5.8	9/5	15
	Zinc	SW6010B	50	01/20/2009	255	04/26/2010	4.7 F	13/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-B3-MW02									
	Dichloroethene, 1,1-	SW8260	1.2					0/1	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/21/2017	38.93	03/21/2017	38.93	1/0	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	03/21/2017	**17.09**	03/21/2017	**17.09**	1/0	5
	Toluene	SW8260	1.1	03/21/2017	14.41	03/21/2017	14.41	1/0	1000
	trans-1,2-Dichloroethene	SW8260	0.6	03/21/2017	0.25 F	03/21/2017	0.25 F	1/0	100
	Trichloroethene	SW8260	1.0	03/21/2017	**22.35**	03/21/2017	**22.35**	1/0	5
	Vinyl chloride	SW8260	1.1					0/1	2
	Arsenic	SW6010B	30	03/21/2017	**12.7** F	03/21/2017	**12.7** F	1/0	10

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-B3-MW04									
	Dichloroethene, 1,1-	SW8260	1.2					0/1	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/28/2017	15.88	03/28/2017	15.88	1/0	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	03/28/2017	1.95	03/28/2017	1.95	1/0	5
	Toluene	SW8260	1.1	03/28/2017	770.57	03/28/2017	770.57	1/0	1000
	trans-1,2-Dichloroethene	SW8260	0.6	03/28/2017	0.81	03/28/2017	0.81	1/0	100
	Trichloroethene	SW8260	1.0	03/28/2017	3.51	03/28/2017	3.51	1/0	5
	Vinyl chloride	SW8260	1.1	03/28/2017	**4.52**	03/28/2017	**4.52**	1/0	2
	Arsenic	SW6010B	30	03/28/2017	**27.5** F	03/28/2017	**27.5** F	1/0	10

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-D									
	Dichloroethene, 1,1-	SW8260	1.2	09/18/2003	0.15 F	06/19/2003	0.066 F	9/38	7
	Bromodichloromethane	SW8260						0/34	80 [5]
	Bromoform	SW8260	1.2					0/29	80 [5]
	Chloroform	SW8260	0.3	06/19/2003	0.24 F	06/18/2002	0.10 F	26/8	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/10/2003	**270**	03/06/2019	2.1	51/0	70
	Dibromochloromethane	SW8260						0/34	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/29	-- [6]
	Methylene chloride	SW8260	2.0	12/14/2001	0.83 F	03/16/2006	0.19 F	5/28	5
	Naphthalene	SW8260	1.0					0/29	-- [6]
	Tetrachloroethene	SW8260	1.4	12/10/2003	**230**	03/06/2019	2.96	51/0	5
	Toluene	SW8260	1.1	03/20/2003	2.7 J	03/20/2003	2.7 J	1/28	1000
	trans-1,2-Dichloroethene	SW8260	0.6	03/20/2003	12 J	12/17/2015	0.19 F	40/7	100
	Trichloroethene	SW8260	1.0	09/18/2003	**300**	03/06/2019	3.34	51/0	5
	Vinyl chloride	SW8260	1.1	10/20/2010	0.30 F	03/20/2003	0.03 F	5/46	2
	Arsenic	SW6010B/SW6020	30/20	04/21/2008	**10.5**	06/16/2004	0.28 F	11/15	10
	Barium	SW6010B	5.0	10/29/2009	38.9	06/18/2002	27.3	18/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	07/29/2010	0.74 F	06/16/2004	0.06 F	7/23	5
	Chromium	SW6010B	10	10/28/2008	2.5 F	06/08/2005	0.92 F	2/26	100
	Copper	SW6010B	10	04/26/2010	3.7 F	07/21/2008	1.1 F	5/13	1300
	Mercury	SW7470A	1.0	07/21/2008	0.12 F	10/20/2010	0.06 F	4/24	2
	Nickel	SW6010B	10	12/14/2001	9.0 F	01/18/2010	0.49 F	9/11	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/15/2009	5.6 F	06/19/2003	0.33 F	13/17	15
	Zinc	SW6010B	50	10/15/2007	279	07/21/2008	9.0 F	16/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-I									
	Dichloroethene, 1,1-	SW8260						0/20	7
	Bromodichloromethane	SW8260						0/13	80 [5]
	Bromoform	SW8260	1.2					0/10	80 [5]
	Chloroform	SW8260						0/13	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/22	70
	Dibromochloromethane	SW8260						0/13	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/10	-- [6]
	Methylene chloride	SW8260	2.0	06/12/2006	0.60 F	03/13/2002	0.23 F	5/8	5
	Naphthalene	SW8260	1.0					0/10	-- [6]
	Tetrachloroethene	SW8260	1.4	09/07/2004	0.054 F	09/07/2004	0.054 F	1/21	5
	Toluene	SW8260	1.1	09/24/2003	23	12/09/2003	0.22 F	2/8	1000
	trans-1,2-Dichloroethene	SW8260						0/20	100
	Trichloroethene	SW8260	1.0	09/07/2004	0.041 F	09/07/2004	0.041 F	1/21	5
	Vinyl chloride	SW8260						0/22	2
	Arsenic	SW6020	20	03/13/2002	1.9 F	06/15/2004	0.25 F	4/2	10
	Barium	SW6010B	5.0	03/13/2002	161 J	09/12/2001	102.8 J	6/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/13/2010	0.80 F	06/06/2005	0.089 F	4/9	5
	Chromium	SW6010B	10	03/13/2002	9.1 F	03/13/2002	9.1 F	1/12	100
	Copper	SW6010B	10	03/13/2002	57.2	09/12/2001	8.0 F	4/2	1300
	Mercury	SW7470/SW7470A	1.0	03/13/2002	0.66 F	12/17/2001	0.20 F	3/10	2
	Nickel	SW6010B	10	03/13/2002	6.9 F	09/12/2001	3.0 F	2/4	-- [6]
	Lead	SW6020	2.0	03/13/2002	**87**	06/15/2004	0.30 F	6/7	15
	Zinc	SW6010B	50	03/13/2002	**8620** J	06/15/2004	18 F	6/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW1-BS									
	Dichloroethene, 1,1-	SW8260	1.2					0/17	7
	Bromodichloromethane	SW8260	0.8					0/11	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260	0.3					0/11	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	11/21/2002	2.16	03/09/2004	0.12 F	17/1	70
	Dibromochloromethane	SW8260	0.5					0/11	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	03/09/2004	0.62 F	09/15/2003	0.33 F	3/8	5
	Naphthalene	SW8260	1.0	09/15/2003	0.11 F	09/15/2003	0.11 F	1/9	-- [6]
	Tetrachloroethene	SW8260	1.4	03/25/2003	0.19 F	03/25/2003	0.19 F	1/17	5
	Toluene	SW8260	1.1	06/16/2003	26	09/14/2005	0.34 F	12/0	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/18	100
	Trichloroethene	SW8260	1.0	03/25/2003	0.24 F	07/26/2004	0.053 F	7/11	5
	Vinyl chloride	SW8260	1.1	06/16/2003	0.069 F	06/16/2003	0.069 F	1/16	2
	Arsenic	SW6020	20	06/13/2005	2.6 F	03/25/2003	1.6 F	4/0	10
	Barium	SW6010B	5.0	06/16/2003	51	03/25/2003	30	4/0	2000
	Cadmium	SW6020	2.0	06/17/2004	0.036 F	03/25/2003	0.025 F	2/8	5
	Chromium	SW6010B	10	12/10/2009	12	03/25/2003	1.0 F	3/6	100
	Copper	SW6010B	10	03/25/2003	1.8 F	06/16/2003	1.7 F	2/2	1300
	Mercury	SW7470A	1.0	06/13/2005	0.071 F	06/16/2003	0.038 F	2/7	2
	Nickel	SW6010B	10	06/16/2003	9.8 F	06/13/2005	3.3 F	2/3	-- [6]
	Lead	SW6020	2.0	06/13/2005	0.33 F	06/16/2003	0.20 F	2/8	15
	Zinc	SW6010B	50	06/16/2003	78	03/25/2003	34	2/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW1-CC									
	Dichloroethene, 1,1-	SW8260	1.2					0/21	7
	Bromodichloromethane	SW8260	0.8					0/11	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260	0.3					0/11	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	11/10/2002	3.22	11/10/2002	3.22	1/24	70
	Dibromochloromethane	SW8260	0.5					0/11	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	09/08/2004	0.52 F	03/11/2004	0.27 M	4/7	5
	Naphthalene	SW8260	1.0					0/10	-- [6]
	Tetrachloroethene	SW8260	1.4	11/10/2002	1.3 F	12/07/2015	0.10 F	2/23	5
	Toluene	SW8260	1.1	11/10/2002	40.4	09/08/2004	0.086 F	7/6	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/23	100
	Trichloroethene	SW8260	1.0	11/10/2002	1.2 F	11/10/2002	1.2 F	1/24	5
	Vinyl chloride	SW8260	1.1	06/16/2003	0.052 F	06/16/2003	0.052 F	1/22	2
	Arsenic	SW6020	20	03/25/2003	1.5 F	06/13/2005	0.38 F	4/0	10
	Barium	SW6010B	5.0	06/16/2003	30	06/13/2005	17	4/0	2000
	Cadmium	SW6020/SW6010B	2.0/7.0	09/25/2007	1.8 F	09/07/2010	0.60 F	2/12	5
	Chromium	SW6010B	10	06/12/2014	1.5 F	09/08/2014	1.1 F	3/10	100
	Copper	SW6010B	10	03/25/2003	1.8 F	06/16/2003	1.7 F	2/2	1300
	Mercury	SW7470A	1.0	06/13/2005	0.054 F	06/16/2003	0.038 F	2/11	2
	Nickel	SW6010B	10					0/5	-- [6]
	Lead	SW6020	2.0	06/13/2005	0.32 F	06/17/2004	0.14 F	3/11	15
	Zinc	SW6010B	50	06/16/2003	5.0 F	06/13/2005	4.7 F	2/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW1-LGR									
	Dichloroethene, 1,1-	SW8260	1.2	09/10/2002	0.045 F	09/10/2002	0.045 F	1/74	7
	Bromodichloromethane	SW8260						0/51	80 [5]
	Bromoform	SW8260	1.2					0/47	80 [5]
	Chloroform	SW8260	0.3	07/20/2009	0.18 F	12/12/2001	0.07 F	30/21	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/27/2007	**82**	01/20/2009	7.2	79/0	70
	Dibromochloromethane	SW8260						0/51	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/47	-- [6]
	Methylene chloride	SW8260	2.0	03/09/2004	0.64 F	03/14/2006	0.19 F	6/45	5
	Naphthalene	SW8260	1.0					0/46	-- [6]
	Tetrachloroethene	SW8260	1.4	07/27/2007	**50**	01/20/2009	2.5	79/0	5
	Toluene	SW8260	1.1	03/20/2003	5.2 J	03/20/2003	5.2 J	1/46	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/27/2007	2.9	12/10/2003	0.13 F	61/14	100
	Trichloroethene	SW8260	1.0	07/27/2007	**68**	01/20/2009	**9.4**	79/0	5
	Vinyl chloride	SW8260	1.1	04/27/2011	0.29 F	03/20/2003	0.032 F	2/77	2
	Arsenic	SW6010B/SW6020	30/20	04/21/2008	**15.9**	06/17/2004	0.26 F	13/29	10
	Barium	SW6010B	5.0	10/29/2009	37.9	06/13/2005	29	22/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/07/2010	1.1 F	09/10/2002	0.027 F	4/40	5
	Chromium	SW6010B	10	03/17/2009	**102**	06/17/2013	1.1 F	31/11	100
	Copper	SW6010B	10	01/21/2008	2.9 F	06/19/2003	1.4 F	6/16	1300
	Mercury	SW7470A	1.0	01/25/2006	0.2448	10/20/2010	0.06 F	8/35	2
	Nickel	SW6010B	10	09/25/2007	66	09/13/2001	2.0 F	22/2	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/14/2011	8.6 F	06/17/2004	0.091 F	8/36	15
	Zinc	SW6010B	50	09/10/2002	81	01/18/2010	2.9 F	15/7	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW2-CC									
	Dichloroethene, 1,1-	SW8260	1.2					0/17	7
	Bromodichloromethane	SW8260	0.8					0/10	80 [5]
	Bromoform	SW8260	1.2					0/10	80 [5]
	Chloroform	SW8260	0.3					0/10	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/21	70
	Dibromochloromethane	SW8260	0.5					0/10	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/10	-- [6]
	Methylene chloride	SW8260	2.0	03/09/2004	0.75 F	09/15/2003	0.36 F	3/7	5
	Naphthalene	SW8260	1.0					0/10	-- [6]
	Tetrachloroethene	SW8260	1.4					0/21	5
	Toluene	SW8260	1.1	09/07/2005	2.7	06/17/2004	0.11 F	9/3	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/19	100
	Trichloroethene	SW8260	1.0					0/21	5
	Vinyl chloride	SW8260	1.1					0/19	2
	Arsenic	SW6020	20	06/08/2005	0.46 F	06/17/2004	0.30 F	3/0	10
	Barium	SW6010B	5.0	06/17/2003	37	06/08/2005	17	3/0	2000
	Cadmium	SW6020	2.0	09/25/2007	0.50 F	09/25/2007	0.50 F	1/9	5
	Chromium	SW6010B	10	09/16/2010	3.0 F	06/16/2014	1.5 F	2/7	100
	Copper	SW6010B	10	06/17/2003	1.1 F	06/17/2003	1.1 F	1/2	1300
	Mercury	SW7470A	1.0	06/17/2003	0.037 F	06/17/2003	0.037 F	1/8	2
	Nickel	SW6010B	10	09/25/2007	11	06/08/2005	2.6 F	2/2	-- [6]
	Lead	SW6020	2.0	09/25/2007	2.5	06/08/2005	0.20 F	2/8	15
	Zinc	SW6010B	50	06/17/2003	27	06/08/2005	11 F	2/1	5000

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW2-LGR									
	Dichloroethene, 1,1-	SW8260						0/42	7
	Bromodichloromethane	SW8260						0/19	80 [5]
	Bromoform	SW8260	1.2					0/15	80 [5]
	Chloroform	SW8260						0/19	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	09/13/2001	4.6	06/19/2017	0.36 F	45/0	70
	Dibromochloromethane	SW8260						0/19	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/15	-- [6]
	Methylene chloride	SW8260	2.0	03/09/2004	0.78 F	03/14/2006	0.24 F	4/15	5
	Naphthalene	SW8260	1.0					0/15	-- [6]
	Tetrachloroethene	SW8260	1.4	09/13/2001	**13**	09/25/2007	0.11 F	18/27	5
	Toluene	SW8260	1.1	03/09/2004	8.1	09/10/2002	0.071 F	15/0	1000
	trans-1,2-Dichloroethene	SW8260	0.6	09/13/2001	0.19 F	06/17/2003	0.04 F	6/35	100
	Trichloroethene	SW8260	1.0	09/13/2001	**9.4**	03/11/2008	0.06 F	18/27	5
	Vinyl chloride	SW8260	1.1	03/20/2003	0.032 F	03/20/2003	0.032 F	1/44	2
	Arsenic	SW6020	20	06/17/2003	4.0 F	03/14/2002	0.53 F	5/3	10
	Barium	SW6010B	5.0	01/25/2006	223	09/13/2001	34.6 J	8/0	2000
	Cadmium	SW6020	2.0	09/25/2007	1.0 F	06/08/2005	0.05 F	5/24	5
	Chromium	SW6010B	10	09/16/2010	2.0 F	09/04/2013	1.1 F	5/22	100
	Copper	SW6010B	10	06/17/2003	2.4 F	06/17/2003	2.4 F	1/7	1300
	Mercury	SW7470A	1.0	01/25/2006	0.245	06/17/2003	0.038 F	3/24	2
	Nickel	SW6010B	10	09/13/2001	27	03/11/2008	3.0 F	9/1	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/14/2011	11 F	06/17/2004	0.18 F	7/22	15
	Zinc	SW6010B	50	06/08/2005	110	03/14/2002	6.6 F	7/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW3-LGR									
	Dichloroethene, 1,1-	SW8260						0/35	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/38	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0	12/17/2001	0.49 F	03/13/2002	0.20 F	6/11	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	09/07/2004	0.062 F	09/07/2004	0.062 F	1/37	5
	Toluene	SW8260	1.1					0/12	1000
	trans-1,2-Dichloroethene	SW8260						0/35	100
	Trichloroethene	SW8260	1.0	11/29/2004	0.21 F	09/07/2004	0.056 F	2/36	5
	Vinyl chloride	SW8260						0/38	2
	Arsenic	SW7060A/SW6020	5.0/20	09/12/2001	2.1 F	06/07/2005	0.44 F	5/1	10
	Barium	SW6010B	5.0	09/12/2001	28.6 J	03/13/2002	26.8 J	6/0	2000
	Cadmium	SW6020	2.0	10/01/2007	0.30 F	06/20/2003	0.081 F	2/20	5
	Chromium	SW6010B	10	06/14/2011	7.0 F	03/13/2015	1.4 F	8/12	100
	Copper	SW6010B	10					0/6	1300
	Mercury	SW7470A	1.0					0/20	2
	Nickel	SW6010B	10	10/01/2007	6.0 F	06/07/2005	1.4 F	4/4	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/16/2008	2.4 F	06/15/2004	0.13 F	7/15	15
	Zinc	SW6010B	50	09/12/2001	55	06/15/2004	20 F	6/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW4-LGR									
	Dichloroethene, 1,1-	SW8260						0/30	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/21/2003	0.22 F	06/18/2002	0.11 F	12/21	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	09/09/2004	0.57 F	12/10/2003	0.33 M	4/13	5
	Naphthalene	SW8260	1.0	03/21/2003	0.86	03/21/2003	0.86	1/9	-- [6]
	Tetrachloroethene	SW8260	1.4	01/10/2013	0.37 F	06/23/2003	0.061 F	7/26	5
	Toluene	SW8260	1.1	03/21/2003	2.5 J	03/21/2003	2.5 J	1/10	1000
	trans-1,2-Dichloroethene	SW8260						0/30	100
	Trichloroethene	SW8260	1.0	12/09/2009	0.17 F	06/23/2003	0.044 F	8/25	5
	Vinyl chloride	SW8260	1.1	03/21/2003	0.051 F	03/21/2003	0.051 F	1/32	2
	Arsenic	SW6020/SW7060A	20/5.0	06/23/2003	2.0 F	12/12/2001	0.90 F	7/0	10
	Barium	SW6010B	5.0	06/08/2005	54	09/13/2001	42.1 J	7/0	2000
	Cadmium	SW6020	2.0	09/27/2007	0.70 F	03/14/2002	0.032 F	2/17	5
	Chromium	SW6010B	10	03/17/2009	3.0 F	09/17/2010	2.0 F	3/14	100
	Copper	SW6010B	10					0/7	1300
	Mercury	SW7470A	1.0	06/08/2005	0.045 F	06/08/2005	0.045 F	1/16	2
	Nickel	SW6010B	10	03/14/2002	13.8	06/08/2005	2.7 F	7/2	-- [6]
	Lead	SW6020	2.0	09/27/2007	1.0 F	03/14/2002	0.15 F	3/16	15
	Zinc	SW6010B	50	06/08/2005	18 F	06/18/2002	5.5 F	4/3	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW5-LGR									
	Dichloroethene, 1,1-	SW8260						0/42	7
	Bromodichloromethane	SW8260						0/22	80 [5]
	Bromoform	SW8260	1.2					0/16	80 [5]
	Chloroform	SW8260						0/22	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/08/2016	16.94	09/11/2002	0.46 F	46/1	70
	Dibromochloromethane	SW8260						0/22	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/16	-- [6]
	Methylene chloride	SW8260	2.0	09/09/2004	0.55 F	03/21/2002	0.22 F	4/18	5
	Naphthalene	SW8260	1.0					0/15	-- [6]
	Tetrachloroethene	SW8260	1.4	02/03/2016	**7.68**	10/03/2017	0.20 F	44/3	5
	Toluene	SW8260	1.1	03/17/2003	0.077 F	12/11/2003	0.068 F	2/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6	10/03/2017	2.98	06/18/2002	0.041 F	13/29	100
	Trichloroethene	SW8260	1.0	03/08/2016	**18.68**	09/11/2002	0.40 F	46/1	5
	Vinyl chloride	SW8260						0/47	2
	Arsenic	SW6010B	30	03/06/2019	**14.2** F	09/06/2018	0.80 F	13/0	10
	Barium	SW6010B	5.0	12/12/2001	31.8	03/21/2002	6.1	7/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/09/2010	1.0 F	03/21/2002	0.022 F	4/21	5
	Chromium	SW6010B	10	03/10/2015	6.0 F	06/16/2014	1.1 F	6/17	100
	Copper	SW6010B	10					0/7	1300
	Mercury	SW7470A	1.0					0/23	2
	Nickel	SW6010B	10	06/18/2002	29 J	03/11/2008	7.0 F	9/0	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/11/2008	5.0 F	06/16/2004	0.094 F	8/17	15
	Zinc	SW6010B	50	09/12/2001	59	06/16/2004	9.5 F	7/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW6-BS									
	Dichloroethene, 1,1-	SW8260						0/23	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/18/2003	0.14 F	03/18/2003	0.14 F	1/22	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	03/08/2004	0.82 F	06/20/2002	0.25 F	5/12	5
	Naphthalene	SW8260	1.0	03/18/2003	0.23 F	09/16/2003	0.12 F	2/8	-- [6]
	Tetrachloroethene	SW8260						0/23	5
	Toluene	SW8260	1.1	03/18/2003	1.9 B	06/18/2003	0.076 F	5/6	1000
	trans-1,2-Dichloroethene	SW8260						0/23	100
	Trichloroethene	SW8260						0/23	5
	Vinyl chloride	SW8260						0/23	2
	Arsenic	SW6020	20	06/21/2004	5.6 F	06/20/2002	2.5 F	7/0	10
	Barium	SW6010B	5.0	06/09/2005	39	06/20/2002	17.1	7/0	2000
	Cadmium	SW7131A	1.0					0/13	5
	Chromium	SW6010B	10	06/15/2011	4.0 F	12/13/2012	2.0 F	3/9	100
	Copper	SW6010B	10	09/13/2001	4.0 F	09/13/2001	4.0 F	1/6	1300
	Mercury	SW7470A	1.0	12/13/2001	0.20 F	12/13/2001	0.20 F	1/11	2
	Nickel	SW6010B	10					0/8	-- [6]
	Lead	SW6020	2.0	06/09/2005	0.11 F	06/09/2005	0.11 F	1/12	15
	Zinc	SW6010B	50	06/21/2004	22 F	06/20/2002	3.7 F	3/4	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW6-CC									
	Dichloroethene, 1,1-	SW8260						0/23	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/18/2003	0.23 F	03/18/2003	0.23 F	1/24	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	03/08/2004	0.85 F	06/20/2002	0.28 F	5/12	5
	Naphthalene	SW8260	1.0	03/18/2003	0.23 F	03/18/2003	0.23 F	1/9	-- [6]
	Tetrachloroethene	SW8260						0/25	5
	Toluene	SW8260	1.1	03/18/2003	2.6 B	09/10/2004	0.11 F	2/9	1000
	trans-1,2-Dichloroethene	SW8260						0/23	100
	Trichloroethene	SW8260	1.0	03/18/2003	0.09 F	03/18/2003	0.09 F	1/24	5
	Vinyl chloride	SW8260						0/25	2
	Arsenic	SW7060A/SW6020	5.0/20	09/13/2001	2.8 F	06/18/2003	0.97 F	7/0	10
	Barium	SW6010B	5.0	06/09/2005	38	09/13/2001	34.3 J	7/0	2000
	Cadmium	SW6020	2.0	10/02/2007	0.40 F	06/18/2003	0.083 F	2/11	5
	Chromium	SW6010B	10	06/19/2014	3.6 F	01/14/2013	1.3 F	2/10	100
	Copper	SW6010B	10	09/13/2001	6.0 F	09/13/2001	6.0 F	1/6	1300
	Mercury	SW7470A	1.0	12/13/2001	0.20 F	12/13/2001	0.20 F	1/11	2
	Nickel	SW6010B	10	09/13/2001	6.0 F	06/09/2005	1.4 F	3/5	-- [6]
	Lead	SW7421/SW6020	5.0/2.0	12/13/2001	1.6 F	03/12/2002	0.18 F	4/9	15
	Zinc	SW6010B	50	09/13/2001	124	06/09/2005	6.8 F	7/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW6-LGR									
	Dichloroethene, 1,1-	SW8260						0/58	7
	Bromodichloromethane	SW8260						0/19	80 [5]
	Bromoform	SW8260	1.2					0/13	80 [5]
	Chloroform	SW8260						0/19	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/62	70
	Dibromochloromethane	SW8260						0/19	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/13	-- [6]
	Methylene chloride	SW8260	2.0	03/08/2004	0.84 F	06/20/2002	0.25 F	5/14	5
	Naphthalene	SW8260	1.0	03/18/2003	0.25 F	03/18/2003	0.25 F	1/11	-- [6]
	Tetrachloroethene	SW8260	1.4	09/05/2018	0.88 F	04/22/2013	0.22 F	8/54	5
	Toluene	SW8260	1.1	03/18/2003	2.2 B	12/11/2003	0.061 F	3/10	1000
	trans-1,2-Dichloroethene	SW8260						0/58	100
	Trichloroethene	SW8260						0/62	5
	Vinyl chloride	SW8260						0/62	2
	Arsenic	SW6010B	30	12/12/2016	7.1 F	02/13/2014	0.30 F	18/19	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/31/2012	1.8 F	08/31/2012	1.8 F	1/5	10
	Barium	SW6010B	5.0	04/22/2013	44.1	06/18/2003	31	8/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	11/20/2013	1.0 F	10/02/2007	0.20 F	3/44	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/6	5
	Chromium	SW6010B	10	04/22/2013	77.1	09/12/2016	1.1 F	32/13	100
	Chromium-Dissolved	SW6010B-DISS	10	08/31/2012	5.3	10/02/2012	1.2 F	3/3	100
	Copper	SW6010B	10	12/05/2018	7.0 F	03/20/2012	5.0	3/34	1300
	Copper-Dissolved	SW6010B-DISS	10	03/20/2012	6.4	08/31/2012	6.2	2/4	1300
	Mercury	SW7470A	1.0	12/11/2019	0.20 F	06/09/2005	0.082 F	3/42	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/6	2
	Nickel	SW6010B	10	12/13/2001	65	06/10/2015	2.0 F	35/4	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/31/2012	11.9	10/02/2012	2.2 F	5/1	-- [6]
	Lead	SW6010B/SW6020	25/2.0	06/07/2018	9.0 F	06/09/2005	0.22 F	9/38	15
	Lead-Dissolved	SW6010B-DISS	25	08/02/2012	2.9 F	08/02/2012	2.9 F	1/5	15
	Zinc	SW6010B	50	12/05/2018	98	06/09/2005	8.0 F	13/24	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/06/2012	15.1 F	08/06/2012	15.1 F	1/5	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW7-CC									
	Dichloroethene, 1,1-	SW8260	1.2	06/24/2002	0.33 F	09/13/2004	0.034 F	2/21	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/25	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	06/24/2002	1.8 F	12/14/2001	0.21 F	6/11	5
	Naphthalene	SW8260	1.0					0/11	-- [6]
	Tetrachloroethene	SW8260	1.4	09/13/2002	0.13 F	09/13/2002	0.13 F	1/24	5
	Toluene	SW8260	1.1	03/18/2003	2.8 B	12/15/2003	0.084 F	3/8	1000
	trans-1,2-Dichloroethene	SW8260						0/23	100
	Trichloroethene	SW8260						0/25	5
	Vinyl chloride	SW8260						0/25	2
	Arsenic	SW7060A/SW6020	5.0/20	09/13/2001	4.2 F	06/23/2003	1.0 F	6/1	10
	Barium	SW6010B	5.0	09/17/2001	33.2 J	06/23/2003	25	8/0	2000
	Cadmium	SW7131A	1.0					0/13	5
	Chromium	SW6010B	10	06/24/2002	5.6 F	09/15/2010	2.0 F	4/9	100
	Copper	SW6010B	10					0/8	1300
	Mercury	SW7470A	1.0	12/14/2001	0.20 F	06/13/2005	0.052 F	3/9	2
	Nickel	SW6010B	10	09/17/2001	10	12/14/2001	2.0 F	4/5	-- [6]
	Lead	SW7421/SW6020	5.0/2.0	12/14/2001	1.2 F	06/23/2004	0.11 F	5/8	15
	Zinc	SW6010B	50	06/24/2002	56.6	06/23/2003	13	5/3	5000

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW7-LGR									
	Dichloroethene, 1,1-	SW8260						0/59	7
	Bromodichloromethane	SW8260						0/19	80 [5]
	Bromoform	SW8260	1.2					0/13	80 [5]
	Chloroform	SW8260						0/19	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/63	70
	Dibromochloromethane	SW8260						0/19	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/13	-- [6]
	Methylene chloride	SW8260	2.0	12/14/2001	0.85 F	03/11/2004	0.20 M	6/13	5
	Naphthalene	SW8260	1.0	03/18/2003	0.32 F	03/18/2003	0.32 F	1/12	-- [6]
	Tetrachloroethene	SW8260	1.4	12/11/2019	1.37 F	06/23/2003	0.053 F	41/22	5
	Toluene	SW8260	1.1	03/18/2003	2.5 B	09/13/2004	0.094 F	3/10	1000
	trans-1,2-Dichloroethene	SW8260						0/59	100
	Trichloroethene	SW8260	1.0	06/07/2018	0.32 F	03/11/2004	0.037 F	4/59	5
	Vinyl chloride	SW8260						0/63	2
	Arsenic	SW6010B/SW6020	30/20	06/07/2016	6.2 F	12/11/2019	0.40 F	19/18	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/06/2012	0.60 F	08/06/2012	0.60 F	1/4	10
	Barium	SW6010B	5.0	06/23/2004	47	03/12/2002	19.8 J	9/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	11/20/2013	1.5 F	06/23/2003	0.078 F	3/45	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	12/05/2018	6.2 F	06/07/2018	1.2 F	36/11	100
	Chromium-Dissolved	SW6010B-DISS	10	08/06/2012	1.3 F	08/31/2012	1.2 F	4/1	100
	Copper	SW6010B	10	09/13/2001	9.0 F	09/17/2001	4.0 F	3/35	1300
	Copper-Dissolved	SW6010B-DISS	10	03/20/2012	6.0	08/31/2012	3.1 F	2/3	1300
	Mercury	SW7470A	1.0	02/13/2014	0.20 F	06/13/2005	0.067 F	3/43	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	09/17/2001	10	06/13/2005	1.4 F	12/28	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	5.2	08/06/2012	5.2	1/4	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/12/2016	2.5 F	06/23/2004	0.13 F	6/42	15
	Lead-Dissolved	SW6010B-DISS	25					0/5	15
	Zinc	SW6010B	50	12/05/2018	92	06/23/2004	4.4 F	16/22	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/06/2012	23.5 F	08/31/2012	9.5 F	2/3	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW8-CC									
	Dichloroethene, 1,1-	SW8260						0/24	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/27	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	03/12/2002	0.52 F	09/16/2003	0.34 F	5/12	5
	Naphthalene	SW8260	1.0	09/16/2003	0.34 F	09/16/2003	0.34 F	1/10	-- [6]
	Tetrachloroethene	SW8260	1.4	10/02/2007	0.65 F	09/13/2004	0.19 F	7/20	5
	Toluene	SW8260	1.1	03/19/2003	3.5	09/13/2004	0.082 F	3/8	1000
	trans-1,2-Dichloroethene	SW8260						0/24	100
	Trichloroethene	SW8260	1.0	12/08/2009	0.19 F	10/02/2007	0.08 F	2/25	5
	Vinyl chloride	SW8260						0/27	2
	Arsenic	SW7060A/SW6020	5.0/20	09/13/2001	7.2 J	06/09/2005	2.4 F	7/0	10
	Barium	SW6010B	5.0	12/13/2001	41.6	06/19/2002	8.8	7/0	2000
	Cadmium	SW6020	2.0	10/02/2007	0.20 F	06/19/2002	0.058 F	2/12	5
	Chromium	SW6010B	10	12/20/2012	7.0 F	12/09/2015	1.5 F	4/9	100
	Copper	SW6010B	10	09/13/2001	6.0 F	06/19/2003	1.5 F	2/5	1300
	Mercury	SW7470A	1.0	06/19/2003	0.023 F	06/19/2003	0.023 F	1/12	2
	Nickel	SW6010B	10	09/13/2001	8.0 F	10/02/2007	3.0 F	2/6	-- [6]
	Lead	SW7421/SW6020	5.0/2.0	12/13/2001	1.2 F	06/23/2004	0.12 F	4/10	15
	Zinc	SW6010B	50	09/13/2001	23 F	06/19/2003	5.0 F	2/5	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW8-LGR									
	Dichloroethene, 1,1-	SW8260						0/56	7
	Bromodichloromethane	SW8260						0/18	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260						0/18	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/18/2003	0.21 F	03/18/2003	0.21 F	1/59	70
	Dibromochloromethane	SW8260						0/18	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0	03/12/2002	0.53 F	03/12/2004	0.31 M	4/14	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	03/10/2015	3.38	06/19/2002	0.057 F	57/3	5
	Toluene	SW8260	1.1	03/18/2003	2.9 B	09/13/2004	0.10 F	3/9	1000
	trans-1,2-Dichloroethene	SW8260						0/56	100
	Trichloroethene	SW8260	1.0	12/08/2009	0.17 F	03/18/2003	0.032 F	4/56	5
	Vinyl chloride	SW8260						0/60	2
	Arsenic	SW6010B	30	06/07/2016	**10.3** F	06/08/2017	0.30 F	21/16	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.50 F	08/30/2012	0.50 F	1/4	10
	Barium	SW6010B	5.0	09/13/2001	38.9 J	04/22/2013	34.1	8/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	11/20/2013	1.3 F	06/19/2002	0.12 F	3/43	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	12/05/2018	6.2 F	12/09/2015	1.1 F	28/17	100
	Chromium-Dissolved	SW6010B-DISS	10	08/02/2012	11.1	08/02/2012	11.1	1/4	100
	Copper	SW6010B	10	06/19/2002	10.6	12/12/2016	4.0 F	3/34	1300
	Copper-Dissolved	SW6010B-DISS	10	08/02/2012	14.9	08/06/2012	4.1 F	3/2	1300
	Mercury	SW7470A	1.0	09/11/2012	0.20 F	09/13/2001	0.20 F	2/43	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	03/12/2002	10.3	06/09/2005	1.7 F	6/32	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	3.7 F	08/02/2012	2.9 F	2/3	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/13/2011	8.0 F	06/21/2004	0.16 F	11/35	15
	Lead-Dissolved	SW6010B-DISS	25	08/02/2012	2.1 F	08/02/2012	2.1 F	1/4	15
	Zinc	SW6010B/SW6020	50/25	12/05/2018	94	12/11/2019	9.0 F	14/23	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/06/2012	17.1 F	03/20/2012	14 F	2/3	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW9-BS									
	Dichloroethene, 1,1-	SW8260						0/25	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/25	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	09/07/2004	0.52 F	03/13/2002	0.23 F	5/12	5
	Naphthalene	SW8260	1.0					0/11	-- [6]
	Tetrachloroethene	SW8260						0/25	5
	Toluene	SW8260	1.1	03/17/2003	0.60 F	06/20/2003	0.072 F	3/8	1000
	trans-1,2-Dichloroethene	SW8260						0/25	100
	Trichloroethene	SW8260						0/25	5
	Vinyl chloride	SW8260	1.1	03/17/2003	0.059 F	12/12/2002	0.055 F	2/23	2
	Arsenic	SW6020	20	06/15/2004	2.8 F	06/20/2003	0.94 F	6/1	10
	Barium	SW6010B	5.0	06/10/2005	79	03/13/2002	17.6 J	7/0	2000
	Cadmium	SW6020	2.0	09/25/2007	2.6	06/15/2004	0.033 F	2/13	5
	Chromium	SW6010B	10	09/11/2012	4.0 F	03/16/2012	3.0 F	4/10	100
	Copper	SW6010B	10					0/7	1300
	Mercury	SW7470A	1.0	09/11/2012	0.20 F	12/14/2001	0.20 F	3/11	2
	Nickel	SW6010B	10	09/25/2007	19	09/25/2007	19	1/7	-- [6]
	Lead	SW6020	2.0	09/25/2007	**114.8**	06/15/2004	0.20 F	10/5	15
	Zinc	SW6010B	50	06/10/2005	36 F	06/19/2002	3.3 F	6/1	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW9-CC									
	Dichloroethene, 1,1-	SW8260						0/24	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	03/17/2003	0.40 F	03/17/2003	0.40 F	1/25	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	12/14/2001	0.70 F	03/13/2002	0.24 F	5/12	5
	Naphthalene	SW8260	1.0					0/11	-- [6]
	Tetrachloroethene	SW8260						0/26	5
	Toluene	SW8260	1.1	03/17/2003	0.69 F	03/17/2003	0.69 F	1/10	1000
	trans-1,2-Dichloroethene	SW8260						0/24	100
	Trichloroethene	SW8260						0/26	5
	Vinyl chloride	SW8260						0/26	2
	Arsenic	SW6020	20	06/19/2002	1.3 F	06/15/2004	0.23 F	6/1	10
	Barium	SW6010B	5.0	06/15/2004	22	06/19/2002	18.5	7/0	2000
	Cadmium	SW6020	2.0	09/25/2007	0.20 F	09/25/2007	0.20 F	1/13	5
	Chromium	SW6010B	10	12/14/2001	13	06/11/2014	1.4 F	2/11	100
	Copper	SW6010B	10					0/7	1300
	Mercury	SW7470A	1.0	06/10/2005	0.08 F	06/10/2005	0.08 F	1/12	2
	Nickel	SW6010B	10	09/12/2001	3.0 F	09/12/2001	3.0 F	1/7	-- [6]
	Lead	SW6020	2.0	09/25/2007	0.20 F	06/10/2005	0.19 F	2/12	15
	Zinc	SW6010B	50	06/19/2002	40.3	03/13/2002	9.2 F	5/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW9-LGR									
	Dichloroethene, 1,1-	SW8260						0/38	7
	Bromodichloromethane	SW8260						0/19	80 [5]
	Bromoform	SW8260	1.2					0/13	80 [5]
	Chloroform	SW8260						0/19	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/41	70
	Dibromochloromethane	SW8260						0/19	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/13	-- [6]
	Methylene chloride	SW8260	2.0	09/07/2004	0.49 F	03/13/2002	0.22 F	4/15	5
	Naphthalene	SW8260	1.0	03/17/2003	0.49	03/17/2003	0.49	1/12	-- [6]
	Tetrachloroethene	SW8260	1.4	06/10/2008	0.26 F	03/13/2002	0.046 F	8/33	5
	Toluene	SW8260	1.1	03/17/2003	0.26 F	03/17/2003	0.26 F	1/12	1000
	trans-1,2-Dichloroethene	SW8260						0/38	100
	Trichloroethene	SW8260	1.0	03/17/2003	0.26 F	03/17/2003	0.26 F	1/40	5
	Vinyl chloride	SW8260						0/41	2
	Arsenic	SW6010B/SW6020	30/20	06/10/2008	5.8 F	06/15/2004	0.35 F	9/2	10
	Barium	SW6010B	5.0	09/12/2001	41.9 J	03/17/2008	29	11/0	2000
	Cadmium	SW6020	2.0	09/25/2007	0.40 F	06/19/2002	0.044 F	2/23	5
	Chromium	SW6010B	10	09/19/2013	**236.9**	06/10/2010	2.0 F	14/10	100
	Copper	SW6010B	10					0/11	1300
	Mercury	SW7470A	1.0	06/10/2008	0.40 F	03/17/2008	0.058 F	3/21	2
	Nickel	SW6010B	10	06/10/2005	52	06/10/2008	6.0 F	12/0	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/16/2008	3.8 F	06/15/2004	0.082 F	8/17	15
	Zinc	SW6010B	50	06/10/2005	18 F	06/15/2004	4.6 F	9/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW10-CC									
	Dichloroethene, 1,1-	SW8260						0/22	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260						0/13	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/24	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260						0/13	-- [6]
	Methylene chloride	SW8260	2.0	03/12/2004	0.68 M	09/16/2004	0.28 F	4/13	5
	Naphthalene	SW8260	1.0	03/20/2003	0.23 F	03/20/2003	0.23 F	1/12	-- [6]
	Tetrachloroethene	SW8260	1.4	01/10/2013	0.18 F	09/13/2002	0.058 F	2/22	5
	Toluene	SW8260	1.1	03/20/2003	2.1 J	09/16/2004	0.062 F	3/10	1000
	trans-1,2-Dichloroethene	SW8260						0/21	100
	Trichloroethene	SW8260	1.0	12/08/2009	0.18 F	12/08/2009	0.18 F	1/23	5
	Vinyl chloride	SW8260						0/24	2
	Arsenic	SW7060A/SW6020	5.0/20	12/13/2001	5.8	06/23/2004	2.1 F	6/1	10
	Barium	SW6010B	5.0	09/26/2001	77.3 J	06/18/2002	24.3	7/0	2000
	Cadmium	SW6020	2.0	10/02/2007	0.40 F	06/18/2002	0.034 F	2/10	5
	Chromium	SW6010B	10	09/26/2001	7.0 F	06/18/2003	3.5 F	2/9	100
	Copper	SW6010B	10	09/26/2001	10	09/26/2001	10	1/6	1300
	Mercury	SW7470A	1.0					0/11	2
	Nickel	SW6010B	10	09/26/2001	26	10/02/2007	3.0 F	6/2	-- [6]
	Lead	SW7421/SW6020	5.0/2.0	09/26/2001	4.8 F	06/09/2005	0.096 F	5/7	15
	Zinc	SW6010B	50	12/13/2001	60	06/18/2003	5.9 F	5/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW10-LGR									
	Dichloroethene, 1,1-	SW8260	1.2	03/20/2003	0.052 F	03/20/2003	0.052 F	1/29	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260						0/13	80 [5]
	Chloroform	SW8260	0.3	06/18/2003	0.13 F	06/23/2004	0.095 F	13/4	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/34	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260						0/13	-- [6]
	Methylene chloride	SW8260	2.0	03/12/2004	0.72 M	01/21/2004	0.38 F	4/13	5
	Naphthalene	SW8260						0/13	-- [6]
	Tetrachloroethene	SW8260	1.4	09/26/2001	2.8	12/19/2012	0.34 F	34/0	5
	Toluene	SW8260	1.1	03/20/2003	2.6 J	03/20/2003	2.6 J	1/12	1000
	trans-1,2-Dichloroethene	SW8260						0/29	100
	Trichloroethene	SW8260	1.0	03/12/2002	0.72 F	09/05/2018	0.31 F	33/1	5
	Vinyl chloride	SW8260						0/34	2
	Arsenic	SW7060A/SW6020	5.0/20	09/26/2001	1.7 F	03/12/2002	0.62 F	6/1	10
	Barium	SW6010B	5.0	09/26/2001	58.2 J	03/12/2002	25.8 J	7/0	2000
	Cadmium	SW7131A	1.0					0/19	5
	Chromium	SW6010B	10	12/19/2012	38	06/09/2015	1.3 F	10/8	100
	Copper	SW6010B	10	12/13/2001	14	09/26/2001	9.0 F	2/5	1300
	Mercury	SW7470A	1.0	03/20/2012	0.20 F	03/20/2012	0.20 F	1/17	2
	Nickel	SW6010B	10	09/26/2001	13	06/09/2005	1.4 F	3/5	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/13/2011	9.6 F	06/23/2004	0.19 F	7/12	15
	Zinc	SW6010B	50	09/26/2001	79	06/18/2002	5.0 F	6/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW11A-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/35	7
	Bromodichloromethane	SW8260	0.8					0/11	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260	0.3					0/11	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/43	70
	Dibromochloromethane	SW8260	0.5					0/11	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	09/13/2004	0.41 F	03/17/2006	0.22 F	4/7	5
	Naphthalene	SW8260	1.0					0/11	-- [6]
	Tetrachloroethene	SW8260	1.4	09/15/2009	1.61	12/15/2003	0.17 F	39/4	5
	Toluene	SW8260	1.1	03/31/2003	3.88	09/13/2004	0.09 F	5/10	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/39	100
	Trichloroethene	SW8260	1.0	12/08/2009	0.20 F	12/08/2009	0.20 F	1/42	5
	Vinyl chloride	SW8260	1.1					0/39	2
	Arsenic	SW6020	20	06/17/2003	0.67 F	06/23/2004	0.55 F	3/0	10
	Barium	SW6010B	5.0	06/23/2004	35	06/16/2005	30	3/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/09/2010	1.1 F	09/27/2007	0.40 F	3/22	5
	Chromium	SW6010B	10	06/16/2011	49	06/18/2013	1.5 F	13/10	100
	Copper	SW6010B	10	06/17/2003	1.7 F	06/17/2003	1.7 F	1/2	1300
	Mercury	SW7470A	1.0	09/11/2012	0.20 F	06/17/2003	0.031 F	2/21	2
	Nickel	SW6010B	10	09/27/2007	5.0 F	03/12/2008	2.0 F	4/1	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/13/2011	8.2 F	06/23/2004	0.12 F	4/21	15
	Zinc	SW6010B	50	06/17/2003	44	06/23/2004	5.3 F	3/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW11B-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/13	7
	Bromodichloromethane	SW8260	0.8					0/8	80 [5]
	Bromoform	SW8260	1.2					0/8	80 [5]
	Chloroform	SW8260	0.3					0/8	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/19	70
	Dibromochloromethane	SW8260	0.5					0/8	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/8	-- [6]
	Methylene chloride	SW8260	2.0	09/13/2004	0.39 F	09/15/2003	0.35 F	2/6	5
	Naphthalene	SW8260	1.0					0/8	-- [6]
	Tetrachloroethene	SW8260	1.4	09/15/2005	1.5	05/26/2004	0.83 F	15/4	5
	Toluene	SW8260	1.1	04/08/2003	298	06/17/2003	0.10 F	2/9	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/16	100
	Trichloroethene	SW8260	1.0					0/19	5
	Vinyl chloride	SW8260	1.1					0/16	2
	Arsenic	SW6020	20	06/14/2005	0.48 F	06/17/2003	0.34 F	3/0	10
	Barium	SW6010B	5.0	05/26/2004	36	06/14/2005	32	3/0	2000
	Cadmium	SW6010B	7.0	09/09/2010	1.0 F	09/09/2010	1.0 F	2/6	5
	Chromium	SW6010B	10	09/09/2010	24	06/14/2005	2.1 F	5/1	100
	Copper	SW6010B	10	06/17/2003	1.8 F	06/17/2003	1.8 F	1/2	1300
	Mercury	SW7470A	1.0	06/14/2005	0.06 F	05/26/2004	0.026 F	3/3	2
	Nickel	SW6010B	10	03/12/2008	13	09/27/2007	7.0 F	4/1	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/14/2015	2.5 F	05/26/2004	0.15 F	6/2	15
	Zinc	SW6010B	50	05/26/2004	21 F	06/14/2005	6.7 F	3/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW12-BS									
	Dichloroethene, 1,1-	SW8260	1.2	03/21/2003	0.032 F	03/21/2003	0.032 F	1/17	7
	Bromodichloromethane	SW8260	0.8					0/12	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260	0.3					0/12	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/18	70
	Dibromochloromethane	SW8260	0.5					0/12	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0	09/09/2004	0.68 F	06/21/2004	0.23 F	4/8	5
	Naphthalene	SW8260	1.0	06/16/2003	0.36 F	03/09/2004	0.23 F	8/4	-- [6]
	Tetrachloroethene	SW8260	1.4					0/18	5
	Toluene	SW8260	1.1	03/21/2003	2.8 J	06/21/2004	0.16 F	8/4	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/18	100
	Trichloroethene	SW8260	1.0					0/18	5
	Vinyl chloride	SW8260	1.1	12/07/2004	0.32 F	03/21/2003	0.096 F	11/7	2
	Arsenic	SW6020	20	06/16/2003	3.0 F	06/14/2005	1.1 F	4/0	10
	Barium	SW6010B	5.0	06/21/2004	17	12/16/2002	6.9	4/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/10/2010	0.80 F	12/16/2002	0.045 F	3/7	5
	Chromium	SW6010B	10	12/17/2012	4.0 F	06/10/2011	3.0 F	2/7	100
	Copper	SW6010B	10	06/16/2003	1.3 F	06/16/2003	1.3 F	1/3	1300
	Mercury	SW7470A	1.0	06/14/2005	0.049 F	06/16/2003	0.032 F	2/7	2
	Nickel	SW6010B	10	06/16/2003	11	09/27/2007	3.0 F	5/0	-- [6]
	Lead	SW6010B/SW6020	25/2.0	06/10/2011	2.0 F	06/14/2005	0.28 F	2/8	15
	Zinc	SW6010B	50	06/16/2003	18	06/14/2005	8.8 F	3/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW12-CC									
	Dichloroethene, 1,1-	SW8260	1.2					0/18	7
	Bromodichloromethane	SW8260	0.8					0/12	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260	0.3					0/12	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/22	70
	Dibromochloromethane	SW8260	0.5					0/12	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0	09/09/2004	0.66 F	09/18/2003	0.42 F	3/9	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4					0/22	5
	Toluene	SW8260	1.1	12/08/2003	6.6	09/07/2005	0.19 F	12/2	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/20	100
	Trichloroethene	SW8260	1.0					0/22	5
	Vinyl chloride	SW8260	1.1	12/08/2003	0.14 F	12/08/2003	0.14 F	1/19	2
	Arsenic	SW6020	20	12/16/2002	**11**	06/16/2005	1.4 F	4/0	10
	Barium	SW6010B	5.0	12/16/2002	97	06/21/2004	35	4/0	2000
	Cadmium	SW6020	2.0	12/16/2002	0.079 F	12/16/2002	0.079 F	1/9	5
	Chromium	SW6010B	10	12/17/2012	3.0 F	12/16/2002	1.1 F	4/5	100
	Copper	SW6010B	10	06/16/2003	1.8 F	06/16/2003	1.8 F	1/3	1300
	Mercury	SW7470A	1.0	06/16/2003	0.04 F	06/16/2003	0.04 F	1/8	2
	Nickel	SW6010B	10	12/16/2002	23	06/16/2005	2.9 F	2/3	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/14/2015	3.5 F	12/16/2002	0.37 F	3/7	15
	Zinc	SW6010B	50	06/16/2005	72	12/16/2002	18	3/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW12-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/25	7
	Bromodichloromethane	SW8260	0.8					0/12	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260	0.3					0/12	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/30	70
	Dibromochloromethane	SW8260	0.5					0/12	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0	09/09/2004	0.70 F	09/18/2003	0.36 F	3/9	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4					0/30	5
	Toluene	SW8260	1.1	03/21/2003	1.4 J	09/09/2004	0.12 F	2/11	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/26	100
	Trichloroethene	SW8260	1.0					0/30	5
	Vinyl chloride	SW8260	1.1					0/29	2
	Arsenic	SW6020	20	12/16/2002	0.71 F	06/16/2003	0.46 F	4/0	10
	Barium	SW6010B	5.0	06/21/2004	37	12/16/2002	32	4/0	2000
	Cadmium	SW6010B	7.0	09/10/2010	0.60 F	09/10/2010	0.60 F	1/15	5
	Chromium	SW6010B	10	12/17/2012	5.0 F	12/14/2015	1.1 F	8/7	100
	Copper	SW6010B	10	06/16/2003	2.2 F	06/16/2003	2.2 F	1/3	1300
	Mercury	SW7470A	1.0	06/14/2005	0.049 F	06/16/2003	0.035 F	2/13	2
	Nickel	SW6010B	10	12/13/2007	35	06/14/2005	2.5 F	4/1	-- [6]
	Lead	SW6010B/SW6020	25/2.0	06/10/2011	2.7 F	06/14/2005	0.09 F	6/10	15
	Zinc	SW6010B	50	12/16/2002	96	06/14/2005	8.2 F	4/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW16-CC									
	Dichloroethene, 1,1-	SW8260	1.2	07/27/2007	1.0 F	09/05/2013	0.13 F	32/30	7
	Bromodichloromethane	SW8260	0.8					0/44	80 [5]
	Bromoform	SW8260	1.2	08/10/2006	0.373 F	08/10/2006	0.373 F	1/43	80 [5]
	Chloroform	SW8260	0.3	08/10/2006	0.524	08/10/2006	0.524	1/43	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/04/2003	**139**	06/04/2018	0.74 F	81/0	70
	Dibromochloromethane	SW8260	0.5					0/44	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/44	-- [6]
	Methylene chloride	SW8260	2.0	09/16/2003	**8.3** F	09/08/2004	0.55 F	4/40	5
	Naphthalene	SW8260	1.0	04/08/2016	**1.57**	04/08/2016	1.57	1/43	-- [6]
	Tetrachloroethene	SW8260	1.4	03/05/2004	**64.4**	03/13/2015	0.15 F	68/13	5
	Toluene	SW8260	1.1	03/14/2006	160	01/21/2008	0.35 F	8/55	1000
	trans-1,2-Dichloroethene	SW8260	0.6	09/12/2006	34	04/21/2003	0.70 F	78/3	100
	Trichloroethene	SW8260	1.0	06/04/2003	**131**	12/31/2019	1.28	79/2	5
	Vinyl chloride	SW8260	1.1	09/16/2003	1.3 F	09/08/2004	0.19 F	13/49	2
	Arsenic	SW6010B	30	04/21/2008	**13.4**	07/21/2011	0.30 F	20/19	10
	Barium	SW6010B	5.0	08/10/2006	29.3	01/26/2006	9.53	21/0	2000
	Cadmium	SW6010B	7.0	10/20/2010	0.43 F	10/20/2010	0.43 F	1/36	5
	Chromium	SW6010B	10	12/17/2012	6.0 F	09/05/2013	1.4 F	4/31	100
	Copper	SW6010B	10	10/15/2007	53.1	07/20/2009	1.2 F	15/6	1300
	Mercury	SW7470A	1.0	01/26/2006	0.1735 F	10/20/2010	0.05 F	9/25	2
	Nickel	SW6010B	10	04/20/2009	14.9	01/26/2006	0.98 F	20/3	-- [6]
	Lead	SW6010B/SW6020	25/2.0	04/20/2009	**38.4**	09/16/2003	0.32 F	15/22	15
	Zinc	SW6010B	50	08/10/2006	4600	10/20/2010	9.0 F	20/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW16-LGR									
	Dichloroethene, 1,1-	SW8260	1.2	03/21/2003	0.052 F	09/08/2004	0.04 F	3/68	7
	Bromodichloromethane	SW8260						0/53	80 [5]
	Bromoform	SW8260	1.2					0/48	80 [5]
	Chloroform	SW8260	0.3	04/26/2011	0.21 F	06/16/2004	0.054 F	25/28	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/26/2011	**312.74**	09/08/2005	5.2	71/0	70
	Dibromochloromethane	SW8260						0/53	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/48	-- [6]
	Methylene chloride	SW8260	2.0	09/08/2004	0.54 F	03/14/2006	0.21 F	7/46	5
	Naphthalene	SW8260	1.0	10/11/2006	3.85 F	04/08/2016	1.46	2/45	-- [6]
	Tetrachloroethene	SW8260	1.4	04/26/2011	**237.21**	09/08/2005	**7.6**	70/1	5
	Toluene	SW8260	1.1	03/21/2003	5.6 J	09/09/2002	0.45 F	2/46	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/20/2009	12	03/11/2004	0.047 M	58/13	100
	Trichloroethene	SW8260	1.0	09/08/2010	**293.04**	06/04/2018	1.69	71/0	5
	Vinyl chloride	SW8260	1.1	10/16/2012	0.40 F	10/16/2012	0.40 F	1/70	2
	Arsenic	SW6010B/SW6020	30/20	04/21/2008	**14.9**	06/16/2004	0.27 F	19/23	10
	Barium	SW6010B	5.0	09/28/2009	46	10/27/2008	32.3	25/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	01/21/2008	1.9 F	06/18/2002	0.028 F	8/33	5
	Chromium	SW6010B	10	12/17/2012	4.0 F	09/09/2002	0.85 F	6/33	100
	Copper	SW6010B	10	04/21/2008	116	06/19/2003	1.2 F	16/9	1300
	Mercury	SW7470A	1.0	03/13/2015	0.20 F	10/15/2007	0.063 F	9/29	2
	Nickel	SW6010B	10	01/27/2006	9.03 F	10/15/2007	0.84 F	8/19	-- [6]
	Lead	SW6010B/SW6020	25/2.0	03/08/2011	**15.7** F	06/16/2004	0.24 F	19/22	15
	Zinc	SW6010B	50	10/11/2006	1030	10/20/2010	19 F	25/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW17-LGR									
	Dichloroethene, 1,1-	SW8260	1.2	09/12/2002	0.055 F	09/12/2002	0.055 F	1/22	7
	Bromodichloromethane	SW8260	0.8					0/13	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260	0.3					0/13	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/16/2015	0.39 F	12/16/2015	0.39 F	1/26	70
	Dibromochloromethane	SW8260	0.5					0/13	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0	09/19/2003	0.82 F	03/21/2003	0.25 F	5/8	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	06/28/2017	0.76 F	09/12/2002	0.083 F	26/1	5
	Toluene	SW8260	1.1	03/21/2003	3.6 J	09/19/2003	0.071 F	4/8	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/23	100
	Trichloroethene	SW8260	1.0	09/07/2004	0.067 F	09/07/2004	0.067 F	1/26	5
	Vinyl chloride	SW8260	1.1					0/27	2
	Arsenic	SW6020	20	06/23/2003	0.81 F	06/15/2004	0.41 F	4/0	10
	Barium	SW6010B	5.0	09/12/2002	37	06/23/2003	31	4/0	2000
	Cadmium	SW6020	2.0	06/23/2003	0.066 F	09/12/2002	0.023 F	2/11	5
	Chromium	SW6010B	10	06/11/2014	9.7 F	06/07/2005	1.0 F	10/2	100
	Copper	SW6010B	10	09/12/2002	2.9 F	09/12/2002	2.9 F	1/3	1300
	Mercury	SW7470A	1.0					0/12	2
	Nickel	SW6010B	10	09/12/2002	150	12/11/2007	4.0 F	5/0	-- [6]
	Lead	SW6020	2.0	09/12/2002	0.96 F	06/07/2005	0.092 F	2/11	15
	Zinc	SW6010B	50	09/12/2002	270	06/07/2005	10 F	3/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW18-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/24	7
	Bromodichloromethane	SW8260	0.8					0/13	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260	0.3					0/13	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/28	70
	Dibromochloromethane	SW8260	0.5					0/13	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0	06/23/2003	1.7 F	09/24/2003	0.37 F	4/9	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	01/10/2013	0.21 F	09/10/2004	0.052 F	2/26	5
	Toluene	SW8260	1.1	03/18/2003	3.6 B	09/10/2004	0.09 F	8/5	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/25	100
	Trichloroethene	SW8260	1.0	03/18/2003	0.097 F	03/18/2003	0.097 F	1/27	5
	Vinyl chloride	SW8260	1.1					0/27	2
	Arsenic	SW6020	20	06/14/2005	0.78 F	06/17/2004	0.41 F	4/0	10
	Barium	SW6010B	5.0	06/23/2003	230	09/12/2002	39	4/0	2000
	Cadmium	SW6020/SW6010B	2.0/7.0	10/02/2007	0.90 F	09/10/2010	0.70 F	2/12	5
	Chromium	SW6010B	10	03/09/2011	39	03/18/2015	1.7 F	4/8	100
	Copper	SW6010B	10	09/12/2002	4.5 F	09/12/2002	4.5 F	1/3	1300
	Mercury	SW7470A	1.0	06/14/2005	0.056 F	06/14/2005	0.056 F	1/11	2
	Nickel	SW6010B	10	09/12/2002	15	06/23/2003	6.6 F	6/0	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/14/2015	4.2 F	06/14/2005	0.18 F	4/10	15
	Zinc	SW6010B	50	09/12/2002	44	06/14/2005	6.9 F	2/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW19-LGR									
	Dichloroethene, 1,1-	SW8260	1.2	03/20/2003	0.032 F	03/20/2003	0.032 F	1/31	7
	Bromodichloromethane	SW8260	0.8					0/14	80 [5]
	Bromoform	SW8260	1.2					0/13	80 [5]
	Chloroform	SW8260	0.3					0/14	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/36	70
	Dibromochloromethane	SW8260	0.5					0/14	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/13	-- [6]
	Methylene chloride	SW8260	2.0	12/16/2002	3.3	12/10/2003	0.30 F	7/7	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	12/09/2019	0.79 F	12/16/2002	0.14 F	33/3	5
	Toluene	SW8260	1.1	08/06/2002	32.6	09/16/2004	0.066 F	4/10	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/33	100
	Trichloroethene	SW8260	1.0					0/36	5
	Vinyl chloride	SW8260	1.1	03/20/2003	0.053 F	03/20/2003	0.053 F	1/34	2
	Arsenic	SW6020	20	06/16/2005	0.68 F	09/12/2002	0.51 F	4/0	10
	Barium	SW6010B	5.0	06/16/2005	39	06/23/2003	34	4/0	2000
	Cadmium	SW6020	2.0	09/27/2007	0.60 F	09/12/2002	0.028 F	2/18	5
	Chromium	SW6010B	10	12/11/2012	3.0 F	12/14/2015	1.4 F	11/7	100
	Copper	SW6010B	10	09/12/2002	8.6 F	09/12/2002	8.6 F	1/3	1300
	Mercury	SW7470A	1.0	03/19/2012	0.20 F	03/19/2012	0.20 F	1/17	2
	Nickel	SW6010B	10	09/27/2007	134	09/12/2002	11	6/0	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/11/2008	3.7 F	06/16/2005	0.10 F	5/15	15
	Zinc	SW6010B	50	09/12/2002	390	06/16/2004	15 F	4/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW20-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/24	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/17/2015	0.32 F	12/17/2015	0.32 F	1/26	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	12/10/2009	2.34	03/18/2009	0.97 F	26/1	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/24	100
	Trichloroethene	SW8260	1.0	12/10/2009	0.17 F	12/10/2009	0.17 F	1/26	5
	Vinyl chloride	SW8260	1.1					0/27	2
	Arsenic	SW6020	20	06/06/2007	0.92 F	12/12/2007	0.35 F	4/1	10
	Barium	SW6010B	5.0	10/01/2007	150	06/06/2007	130	5/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/15/2008	0.80 F	03/13/2008	0.21 F	2/21	5
	Chromium	SW6010B	10	06/18/2014	3.8 F	09/16/2013	1.1 F	9/14	100
	Copper	SW6010B	10					0/5	1300
	Mercury	SW7470A	1.0					0/23	2
	Nickel	SW6010B	10	06/06/2007	20	06/06/2007	20	1/4	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/15/2008	2.9 F	03/13/2008	0.19 F	7/16	15
	Zinc	SW6010B	50	06/06/2007	65	03/13/2008	8.0 F	5/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW21-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/27	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/17/2015	0.25 F	12/17/2015	0.25 F	1/29	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4					0/30	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/27	100
	Trichloroethene	SW8260	1.0	12/10/2009	0.15 F	12/10/2009	0.15 F	1/29	5
	Vinyl chloride	SW8260	1.1					0/30	2
	Arsenic	SW6020	20	06/07/2007	3.8 F	12/12/2007	0.54 F	4/1	10
	Barium	SW6010B	5.0	06/24/2008	91	06/07/2007	81	5/0	2000
	Cadmium	SW6020	2.0					0/25	5
	Chromium	SW6010B	10	09/17/2010	2.0 F	03/09/2010	1.5 F	4/21	100
	Copper	SW6010B	10					0/5	1300
	Mercury	SW7470A	1.0	03/13/2015	0.20 F	03/13/2015	0.20 F	1/24	2
	Nickel	SW6010B	10	06/24/2008	2.0 F	06/24/2008	2.0 F	1/4	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/15/2008	3.2 F	12/12/2007	0.21 F	6/19	15
	Zinc	SW6010B	50	06/07/2007	470	06/24/2008	142	5/0	5000

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[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW22-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/24	7
	Bromodichloromethane	SW8260	0.8					0/2	80 [5]
	Bromoform	SW8260	1.2					0/2	80 [5]
	Chloroform	SW8260	0.3					0/2	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/27	70
	Dibromochloromethane	SW8260	0.5					0/2	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/2	-- [6]
	Methylene chloride	SW8260	2.0					0/2	5
	Naphthalene	SW8260	1.0					0/2	-- [6]
	Tetrachloroethene	SW8260	1.4					0/27	5
	Toluene	SW8260	1.1	11/09/2006	18.1	11/09/2006	18.1	1/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/24	100
	Trichloroethene	SW8260	1.0	12/10/2009	0.28 F	12/10/2009	0.28 F	1/26	5
	Vinyl chloride	SW8260	1.1					0/27	2
	Arsenic	SW6020	20	10/01/2007	5.6 F	12/13/2007	2.4 F	4/1	10
	Barium	SW6010B	5.0	10/01/2007	93	12/13/2007	63	5/0	2000
	Cadmium	SW6020	2.0	10/01/2007	0.13 F	12/13/2007	0.056 F	4/19	5
	Chromium	SW6010B	10	10/01/2007	23	03/08/2010	1.7 F	11/12	100
	Copper	SW6010B	10	06/07/2007	29	03/13/2008	13	3/2	1300
	Mercury	SW7470A	1.0	06/10/2009	0.20 F	06/07/2007	0.079 F	4/19	2
	Nickel	SW6010B	10	10/01/2007	37	06/24/2008	6.0 F	5/0	-- [6]
	Lead	SW6020/SW6010B	2.0/25	06/07/2007	**91**	06/13/2011	2.0 F	12/11	15
	Zinc	SW6010B	50	06/07/2007	**8000**	06/24/2008	1732	5/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW23-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/23	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/26	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4					0/26	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/23	100
	Trichloroethene	SW8260	1.0					0/26	5
	Vinyl chloride	SW8260	1.1					0/26	2
	Arsenic	SW6020	20	06/05/2007	1.5 F	12/12/2007	0.69 F	4/1	10
	Barium	SW6010B	5.0	10/01/2007	54	03/13/2008	46	5/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/15/2008	0.60 F	10/01/2007	0.046 F	3/20	5
	Chromium	SW6010B	10	09/15/2008	4.0 F	09/16/2013	1.5 F	7/16	100
	Copper	SW6010B	10	06/05/2007	6.1 F	10/01/2007	4.6 F	2/3	1300
	Mercury	SW7470A	1.0	06/05/2007	**7.8**	06/13/2011	0.20 F	3/20	2
	Nickel	SW6010B	10	06/24/2008	**35**	06/24/2008	35	1/4	-- [6]
	Lead	SW6010B/SW6020	25/2.0	09/15/2008	7.9 F	03/13/2008	0.23 F	6/17	15
	Zinc	SW6010B	50	06/05/2007	590	03/13/2008	100	5/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW24-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/31	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/34	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0	06/06/2007	0.30 F	06/06/2007	0.30 F	1/0	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	03/13/2015	0.20 F	03/13/2015	0.20 F	1/33	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/31	100
	Trichloroethene	SW8260	1.0	03/13/2015	0.12 F	03/13/2015	0.12 F	1/33	5
	Vinyl chloride	SW8260	1.1					0/34	2
	Arsenic	SW6020	20	06/06/2007	0.88 F	03/17/2008	0.39 F	4/1	10
	Barium	SW6010B	5.0	06/24/2008	33.4	03/17/2008	30	5/0	2000
	Cadmium	SW6020	2.0					0/29	5
	Chromium	SW6010B	10	03/13/2015	4.3 F	09/04/2013	1.1 F	7/22	100
	Copper	SW6010B	10					0/5	1300
	Mercury	SW7470A	1.0	09/11/2012	0.20 F	03/17/2008	0.06 F	2/27	2
	Nickel	SW6010B	10	06/06/2007	11	06/06/2007	11	1/4	-- [6]
	Lead	SW6010B/SW6020	25/2.0	12/14/2011	9.6 F	12/12/2007	0.18 F	6/23	15
	Zinc	SW6010B	50	06/06/2007	220	03/17/2008	74	5/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW25-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/24	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/27	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0	06/05/2007	0.33 F	06/05/2007	0.33 F	1/0	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	09/13/2016	0.07 F	09/13/2016	0.07 F	1/26	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/24	100
	Trichloroethene	SW8260	1.0					0/27	5
	Vinyl chloride	SW8260	1.1					0/27	2
	Arsenic	SW6020	20	10/01/2007	4.4 F	03/17/2008	1.0 F	5/0	10
	Barium	SW6010B	5.0	10/01/2007	63	03/17/2008	32	5/0	2000
	Cadmium	SW6020	2.0	10/01/2007	0.16 F	03/17/2008	0.043 F	4/19	5
	Chromium	SW6010B	10	10/01/2007	**240**	03/13/2015	1.2 F	19/4	100
	Copper	SW6010B	10	10/01/2007	65	06/10/2008	4.0 F	4/1	1300
	Mercury	SW7470A	1.0	06/10/2008	0.50 F	03/17/2008	0.06 F	3/20	2
	Nickel	SW6010B	10	10/01/2007	140	06/10/2008	9.0 F	5/0	-- [6]
	Lead	SW6020/SW6010B	2.0/25	10/01/2007	**32**	03/16/2009	2.0 F	8/15	15
	Zinc	SW6010B	50	10/01/2007	2200	06/10/2008	207	5/0	5000

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[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW35-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/16	7
	Bromodichloromethane	SW8260	0.8					0/3	80 [5]
	Bromoform	SW8260	1.2					0/3	80 [5]
	Chloroform	SW8260	0.3					0/3	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/20	70
	Dibromochloromethane	SW8260	0.5					0/3	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/3	-- [6]
	Methylene chloride	SW8260	2.0					0/3	5
	Naphthalene	SW8260	1.0					0/3	-- [6]
	Tetrachloroethene	SW8260	1.4	04/01/2011	2.84	03/18/2015	0.24 F	20/0	5
	Toluene	SW8260	1.1	03/31/2011	5.38	04/01/2011	0.58 F	2/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/16	100
	Trichloroethene	SW8260	1.0					0/20	5
	Vinyl chloride	SW8260	1.1					0/20	2
	Arsenic	SW6010B	30	03/13/2014	2.2 F	09/15/2011	0.90 F	3/0	10
	Barium	SW6010B	5.0	09/15/2011	40.7	09/15/2011	40.7	1/0	2000
	Cadmium	SW6010B	7.0					0/14	5
	Chromium	SW6010B	10	09/15/2011	4.0 F	12/14/2015	1.1 F	8/6	100
	Copper	SW6010B	10					0/3	1300
	Mercury	SW7470A	1.0					0/14	2
	Nickel	SW6010B	10	09/15/2011	15	09/15/2011	15	1/2	-- [6]
	Lead	SW6010B	25	12/13/2011	8.4 F	06/11/2012	3.0 F	2/12	15
	Zinc	SW6010B	50	09/15/2011	100	09/15/2011	100	1/2	5000

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW36-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/43	7
	Bromodichloromethane	SW8260	0.8					0/5	80 [5]
	Bromoform	SW8260	1.2					0/5	80 [5]
	Chloroform	SW8260	0.3	10/15/2014	0.14 F	04/08/2011	0.11 F	2/3	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/22/2013	2.21	12/12/2016	0.09 F	31/16	70
	Dibromochloromethane	SW8260	0.5					0/5	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/5	-- [6]
	Methylene chloride	SW8260	2.0					0/5	5
	Naphthalene	SW8260	1.0					0/5	-- [6]
	Tetrachloroethene	SW8260	1.4	04/22/2013	**30.93**	06/07/2016	4.12	47/0	5
	Toluene	SW8260	1.1					0/5	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/43	100
	Trichloroethene	SW8260	1.0	04/22/2013	**68.93**	06/07/2016	1.53	47/0	5
	Vinyl chloride	SW8260	1.1					0/47	2
	Arsenic	SW6010B/SW6020	30/20	06/07/2016	**10.4** F	12/11/2019	0.80 F	17/14	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.90 F	08/06/2012	0.40 F	2/3	10
	Barium	SW6010B	5.0	04/22/2013	48.9	09/15/2011	35.4	2/0	2000
	Cadmium	SW6010B	7.0					0/36	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	12/12/2017	47.2	09/22/2017	1.1 F	22/14	100
	Chromium-Dissolved	SW6010B-DISS	10	08/06/2012	2.0 F	08/16/2012	1.5 F	2/3	100
	Copper	SW6010B	10	12/12/2016	9.0 F	03/05/2018	4.0 F	4/27	1300
	Copper-Dissolved	SW6010B-DISS	10	03/19/2012	6.7	03/19/2012	6.7	1/4	1300
	Mercury	SW7470A	1.0	12/11/2019	0.30 F	12/11/2019	0.30 F	1/35	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	12/12/2017	19	09/12/2016	2.0 F	10/21	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	4.6 F	08/30/2012	1.1 F	5/0	-- [6]
	Lead	SW6010B	25	12/13/2011	9.9 F	06/08/2017	2.0 F	6/30	15
	Lead-Dissolved	SW6010B-DISS	25	08/02/2012	2.4 F	08/02/2012	2.4 F	1/4	15
	Zinc	SW6010B	50	12/05/2018	95	06/10/2015	9.0 F	12/19	5000
	Zinc-Dissolved	SW6010B-DISS	50	03/19/2012	21.7 F	08/06/2012	13.5 F	2/3	5000

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[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MW37-LGR									
	Dichloroethene, 1,1-	SW8260	1.2					0/1	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/6	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	09/05/2018	0.28 F	09/05/2018	0.28 F	1/5	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/1	100
	Trichloroethene	SW8260	1.0	09/05/2018	0.36 F	09/05/2018	0.36 F	1/5	5
	Vinyl chloride	SW8260	1.1					0/6	2
	Arsenic	SW6010B	30	07/12/2017	0.80 F	07/12/2017	0.80 F	1/0	10
	Barium	SW6010B	5.0	07/12/2017	44.2	07/12/2017	44.2	1/0	2000
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	07/12/2017	7.6 F	07/12/2017	7.6 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50	07/12/2017	588	07/12/2017	588	1/0	5000

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MWG-LGR									
	Dichloroethene, 1,1-	SW8260						0/26	7
	Bromodichloromethane	SW8260						0/16	80 [5]
	Bromoform	SW8260	1.2					0/11	80 [5]
	Chloroform	SW8260						0/16	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/28	70
	Dibromochloromethane	SW8260						0/16	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/11	-- [6]
	Methylene chloride	SW8260	2.0	09/07/2004	0.47 F	12/09/2003	0.24 F	6/10	5
	Naphthalene	SW8260	1.0					0/11	-- [6]
	Tetrachloroethene	SW8260						0/28	5
	Toluene	SW8260	1.1	09/11/2002	0.06 F	09/11/2002	0.06 F	1/10	1000
	trans-1,2-Dichloroethene	SW8260						0/26	100
	Trichloroethene	SW8260						0/28	5
	Vinyl chloride	SW8260						0/28	2
	Arsenic	SW7060A/SW6020	5.0/20	09/12/2001	0.90 F	12/11/2007	0.23 F	8/1	10
	Barium	SW6010B	5.0	09/12/2001	25.2 J	06/16/2003	19	9/0	2000
	Cadmium	SW6010B/SW6020	7.0/2.0	09/16/2008	0.60 F	06/19/2002	0.038 F	4/13	5
	Chromium	SW6010B	10	06/16/2003	2.6 F	06/07/2005	1.2 F	4/13	100
	Copper	SW6010B	10	09/12/2001	20	06/16/2003	2.4 F	3/6	1300
	Mercury	SW7470A	1.0	06/16/2003	0.032 F	06/16/2003	0.032 F	1/16	2
	Nickel	SW6010B	10	06/07/2005	35	06/15/2004	4.4 F	3/6	-- [6]
	Lead	SW7421/SW6020	5.0/2.0	09/12/2001	**36.9**	06/07/2005	0.41 F	8/9	15
	Zinc	SW6010B	50	09/12/2001	261	06/15/2004	8.4 F	9/0	5000

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-MWH-LGR									
	Dichloroethene, 1,1-	SW8260						0/21	7
	Bromodichloromethane	SW8260						0/14	80 [5]
	Bromoform	SW8260	1.2	03/17/2003	0.10 F	03/17/2003	0.10 F	1/9	80 [5]
	Chloroform	SW8260						0/14	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/23	70
	Dibromochloromethane	SW8260	0.5	03/17/2003	0.03 F	03/17/2003	0.03 F	1/13	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/10	-- [6]
	Methylene chloride	SW8260	2.0	09/07/2004	0.51 F	03/13/2002	0.20 F	5/9	5
	Naphthalene	SW8260	1.0					0/10	-- [6]
	Tetrachloroethene	SW8260						0/23	5
	Toluene	SW8260	1.1	09/16/2003	9.2	12/09/2003	3.3	4/7	1000
	trans-1,2-Dichloroethene	SW8260						0/22	100
	Trichloroethene	SW8260						0/23	5
	Vinyl chloride	SW8260						0/22	2
	Arsenic	SW6020	20	06/19/2002	1.2 F	03/17/2003	0.37 F	6/1	10
	Barium	SW6010B	5.0	09/12/2001	31.7 J	12/18/2001	19.1	7/0	2000
	Cadmium	SW7131A/SW6020	1.0/2.0	09/12/2001	1.0	03/17/2003	0.03 F	5/9	5
	Chromium	SW6010B	10	12/18/2012	22	06/11/2014	1.7 F	6/7	100
	Copper	SW6010B	10	09/12/2001	28	06/19/2002	9.2 F	2/5	1300
	Mercury	SW7470A	1.0					0/13	2
	Nickel	SW6010B	10	03/17/2003	17	09/24/2007	5.0 F	4/4	-- [6]
	Lead	SW7421/SW6020	5.0/2.0	09/12/2001	**47** J	06/15/2004	2.3	12/2	15
	Zinc	SW6010B	50	06/06/2005	2000	03/13/2002	83.9 J	7/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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BSR-03									
	Dichloroethene, 1,1-	SW8260	1.2					0/6	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/6	70
	Tetrachloroethene	SW8260	1.4					0/6	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/6	100
	Trichloroethene	SW8260	1.0					0/6	5
	Vinyl chloride	SW8260	1.1					0/6	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
BSR-04									
	Dichloroethene, 1,1-	SW8260	1.2					0/5	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/8	70
	Tetrachloroethene	SW8260	1.4					0/8	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/5	100
	Trichloroethene	SW8260	1.0					0/8	5
	Vinyl chloride	SW8260	1.1					0/8	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
FO-8									
	Dichloroethene, 1,1-	SW8260						0/17	7
	Bromodichloromethane	SW8260						0/5	80 [5]
	Bromoform	SW8260						0/5	80 [5]
	Chloroform	SW8260						0/5	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/17	70
	Dibromochloromethane	SW8260						0/5	80 [5]
	Dichlorodifluoromethane	SW8260						0/5	-- [6]
	Methylene chloride	SW8260		03/19/2002	0.20 F	03/19/2002	0.20 F	1/4	5
	Naphthalene	SW8260						0/5	-- [6]
	Tetrachloroethene	SW8260						0/17	5
	Toluene	SW8260		03/10/2003	0.40 F	03/10/2003	0.40 F	1/4	1000
	trans-1,2-Dichloroethene	SW8260						0/17	100
	Trichloroethene	SW8260						0/17	5
	Vinyl chloride	SW8260						0/17	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
FO-17									
	Dichloroethene, 1,1-	SW8260						0/16	7
	Bromodichloromethane	SW8260						0/5	80 [5]
	Bromoform	SW8260						0/5	80 [5]
	Chloroform	SW8260						0/5	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/16	70
	Dibromochloromethane	SW8260						0/5	80 [5]
	Dichlorodifluoromethane	SW8260						0/5	-- [6]
	Methylene chloride	SW8260		03/19/2002	0.31 F	03/19/2002	0.31 F	1/4	5
	Naphthalene	SW8260						0/5	-- [6]
	Tetrachloroethene	SW8260						0/16	5
	Toluene	SW8260		03/10/2003	0.25 F	03/10/2003	0.25 F	1/4	1000
	trans-1,2-Dichloroethene	SW8260						0/16	100
	Trichloroethene	SW8260						0/16	5
	Vinyl chloride	SW8260						0/16	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
FO-22									
	Dichloroethene, 1,1-	SW8260						0/16	7
	Bromodichloromethane	SW8260						0/5	80 [5]
	Bromoform	SW8260						0/5	80 [5]
	Chloroform	SW8260						0/5	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/17	70
	Dibromochloromethane	SW8260						0/5	80 [5]
	Dichlorodifluoromethane	SW8260						0/5	-- [6]
	Methylene chloride	SW8260						0/4	5
	Naphthalene	SW8260						0/5	-- [6]
	Tetrachloroethene	SW8260						0/17	5
	Toluene	SW8260						0/5	1000
	trans-1,2-Dichloroethene	SW8260						0/17	100
	Trichloroethene	SW8260						0/17	5
	Vinyl chloride	SW8260						0/17	2

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FO-J1									
	Dichloroethene, 1,1-	SW8260						0/40	7
	Bromodichloromethane	SW8260						0/17	80 [5]
	Bromoform	SW8260						0/17	80 [5]
	Chloroform	SW8260						0/17	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/12/2007	0.60 F	03/10/2003	0.20 F	5/38	70
	Dibromochloromethane	SW8260						0/17	80 [5]
	Dichlorodifluoromethane	SW8260						0/17	-- [6]
	Methylene chloride	SW8260		03/10/2003	2.6 B	12/20/2001	0.38 F	3/13	5
	Naphthalene	SW8260						0/17	-- [6]
	Tetrachloroethene	SW8260	1.4	06/03/2009	0.57 F	06/20/2006	0.08 F	25/18	5
	Toluene	SW8260		03/10/2003	0.74 F	03/10/2003	0.74 F	1/16	1000
	trans-1,2-Dichloroethene	SW8260						0/41	100
	Trichloroethene	SW8260	1.0	03/22/2005	0.25 F	12/14/2004	0.22 F	2/41	5
	Vinyl chloride	SW8260						0/43	2

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HS-1									
	Dichloroethene, 1,1-	SW8260	1.2					0/23	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/26	70
	Tetrachloroethene	SW8260	1.4	12/16/2010	0.24 F	12/12/2006	0.13 F	9/17	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/23	100
	Trichloroethene	SW8260	1.0					0/26	5
	Vinyl chloride	SW8260	1.1					0/26	2

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HS-2									
	Dichloroethene, 1,1-	SW8260						0/42	7
	Bromodichloromethane	SW8260						0/19	80 [5]
	Bromoform	SW8260						0/19	80 [5]
	Chloroform	SW8260		03/12/2003	0.16 F	03/12/2003	0.16 F	1/18	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/43	70
	Dibromochloromethane	SW8260						0/19	80 [5]
	Dichlorodifluoromethane	SW8260						0/19	-- [6]
	Methylene chloride	SW8260	2.0	03/23/2006	1.15 F	03/21/2002	0.31 F	3/15	5
	Naphthalene	SW8260						0/19	-- [6]
	Tetrachloroethene	SW8260	1.4	06/03/2009	0.23 F	06/21/2006	0.07 F	21/22	5
	Toluene	SW8260		03/03/2004	1.0 F	03/21/2002	0.12 F	2/17	1000
	trans-1,2-Dichloroethene	SW8260						0/43	100
	Trichloroethene	SW8260						0/43	5
	Vinyl chloride	SW8260						0/42	2

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HS-3									
	Dichloroethene, 1,1-	SW8260						0/17	7
	Bromodichloromethane	SW8260						0/6	80 [5]
	Bromoform	SW8260						0/6	80 [5]
	Chloroform	SW8260						0/6	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/17	70
	Dibromochloromethane	SW8260						0/6	80 [5]
	Dichlorodifluoromethane	SW8260						0/6	-- [6]
	Methylene chloride	SW8260		12/19/2001	0.38 F	12/19/2001	0.38 F	1/5	5
	Naphthalene	SW8260						0/6	-- [6]
	Tetrachloroethene	SW8260						0/17	5
	Toluene	SW8260						0/6	1000
	trans-1,2-Dichloroethene	SW8260						0/17	100
	Trichloroethene	SW8260						0/17	5
	Vinyl chloride	SW8260						0/17	2

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I10-2									
	Dichloroethene, 1,1-	SW8260						0/32	7
	Bromodichloromethane	SW8260						0/20	80 [5]
	Bromoform	SW8260						0/20	80 [5]
	Chloroform	SW8260						0/20	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/33	70
	Dibromochloromethane	SW8260						0/20	80 [5]
	Dichlorodifluoromethane	SW8260						0/20	-- [6]
	Methylene chloride	SW8260		09/18/2002	0.83 F	12/18/2001	0.21 F	3/16	5
	Naphthalene	SW8260						0/20	-- [6]
	Tetrachloroethene	SW8260	1.4	12/04/2012	0.20 F	12/05/2002	0.08 F	10/23	5
	Toluene	SW8260						0/20	1000
	trans-1,2-Dichloroethene	SW8260						0/33	100
	Trichloroethene	SW8260	1.0	12/04/2012	0.53 F	03/13/2003	0.06 F	8/25	5
	Vinyl chloride	SW8260						0/33	2
	Arsenic	SW6010B	30	06/03/2015	1.9 F	06/03/2015	1.9 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10					0/1	100
	Copper	SW6010B	10	06/03/2015	5.0 F	06/03/2015	5.0 F	1/0	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50	06/03/2015	163	06/03/2015	163	1/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
I10-4									
	Dichloroethene, 1,1-	SW8260						0/46	7
	Bromodichloromethane	SW8260						0/20	80 [5]
	Bromoform	SW8260						0/20	80 [5]
	Chloroform	SW8260						0/20	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/47	70
	Dibromochloromethane	SW8260						0/20	80 [5]
	Dichlorodifluoromethane	SW8260						0/20	-- [6]
	Methylene chloride	SW8260	2.0	03/22/2006	1.18 F	03/21/2002	0.20 F	3/16	5
	Naphthalene	SW8260						0/20	-- [6]
	Tetrachloroethene	SW8260	1.4	12/13/2010	**7.86**	12/15/2004	0.12 F	34/13	5
	Toluene	SW8260						0/20	1000
	trans-1,2-Dichloroethene	SW8260						0/47	100
	Trichloroethene	SW8260	1.0	08/31/2010	3.55	03/02/2010	0.21 F	30/17	5
	Vinyl chloride	SW8260						0/46	2
	Arsenic	SW6010B	30					0/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/5	10
	Barium	SW6010B	5.0	04/23/2013	38.7	04/23/2013	38.7	1/0	2000
	Cadmium	SW6010B	7.0					0/2	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	03/07/2012	1.6 F	03/07/2012	1.6 F	1/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/5	100
	Copper	SW6010B	10	03/07/2012	7.0	03/07/2012	7.0	1/1	1300
	Copper-Dissolved	SW6010B-DISS	10					0/5	1300
	Mercury	SW7470A	1.0					0/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10					0/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	1.4 F	08/06/2012	1.4 F	1/4	-- [6]
	Lead	SW6010B	25	03/07/2012	**39.7**	03/07/2012	**39.7**	1/1	15
	Lead-Dissolved	SW6010B-DISS	25	08/03/2012	7.0	08/06/2012	3.2	2/3	15
	Zinc	SW6010B	50	04/23/2013	86	03/07/2012	74	2/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/03/2012	96.8	03/07/2012	51.8	5/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
I10-5									
	Dichloroethene, 1,1-	SW8260						0/14	7
	Bromodichloromethane	SW8260						0/4	80 [5]
	Bromoform	SW8260						0/4	80 [5]
	Chloroform	SW8260						0/4	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/14	70
	Dibromochloromethane	SW8260						0/4	80 [5]
	Dichlorodifluoromethane	SW8260						0/4	-- [6]
	Methylene chloride	SW8260						0/4	5
	Naphthalene	SW8260						0/4	-- [6]
	Tetrachloroethene	SW8260						0/14	5
	Toluene	SW8260						0/4	1000
	trans-1,2-Dichloroethene	SW8260						0/14	100
	Trichloroethene	SW8260						0/14	5
	Vinyl chloride	SW8260						0/14	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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I10-7									
	Dichloroethene, 1,1-	SW8260						0/33	7
	Bromodichloromethane	SW8260						0/11	80 [5]
	Bromoform	SW8260						0/11	80 [5]
	Chloroform	SW8260						0/11	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/33	70
	Dibromochloromethane	SW8260						0/11	80 [5]
	Dichlorodifluoromethane	SW8260						0/11	-- [6]
	Methylene chloride	SW8260	2.0	03/20/2006	1.1 M	03/21/2002	0.44 F	2/9	5
	Naphthalene	SW8260						0/11	-- [6]
	Tetrachloroethene	SW8260						0/33	5
	Toluene	SW8260		03/21/2002	0.36 F	03/21/2002	0.36 F	1/10	1000
	trans-1,2-Dichloroethene	SW8260						0/33	100
	Trichloroethene	SW8260	1.0	12/03/2009	0.17 F	12/03/2009	0.17 F	1/32	5
	Vinyl chloride	SW8260						0/33	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
I10-8									
	Dichloroethene, 1,1-	SW8260	1.2					0/17	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/20	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4					0/20	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/17	100
	Trichloroethene	SW8260	1.0					0/20	5
	Vinyl chloride	SW8260	1.1					0/20	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
I10-9									
	Dichloroethene, 1,1-	SW8260	1.2					0/4	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/4	70
	Tetrachloroethene	SW8260	1.4					0/4	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/4	100
	Trichloroethene	SW8260	1.0	06/04/2012	1.42	09/06/2011	0.57 F	4/0	5
	Vinyl chloride	SW8260	1.1					0/4	2

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I10-10									
	Dichloroethene, 1,1-	SW8260	1.2					0/1	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/5	70
	Tetrachloroethene	SW8260	1.4					0/5	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/1	100
	Trichloroethene	SW8260	1.0					0/5	5
	Vinyl chloride	SW8260	1.1					0/5	2

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JW-5									
	Dichloroethene, 1,1-	SW8260	1.2					0/22	7
	Bromodichloromethane	SW8260	0.8					0/4	80 [5]
	Bromoform	SW8260	1.2					0/4	80 [5]
	Chloroform	SW8260	0.3					0/4	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/23	70
	Dibromochloromethane	SW8260	0.5					0/4	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/4	-- [6]
	Methylene chloride	SW8260	2.0	03/22/2006	1.14 F	03/22/2006	1.14 F	1/3	5
	Naphthalene	SW8260	1.0					0/4	-- [6]
	Tetrachloroethene	SW8260	1.4	03/01/2011	0.12 F	03/20/2007	0.07 F	3/20	5
	Toluene	SW8260	1.1					0/4	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/22	100
	Trichloroethene	SW8260	1.0					0/23	5
	Vinyl chloride	SW8260	1.1					0/23	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-6									
	Dichloroethene, 1,1-	SW8260						0/17	7
	Bromodichloromethane	SW8260						0/6	80 [5]
	Bromoform	SW8260						0/6	80 [5]
	Chloroform	SW8260						0/6	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/17	70
	Dibromochloromethane	SW8260						0/6	80 [5]
	Dichlorodifluoromethane	SW8260						0/6	-- [6]
	Methylene chloride	SW8260						0/6	5
	Naphthalene	SW8260						0/6	-- [6]
	Tetrachloroethene	SW8260						0/17	5
	Toluene	SW8260						0/6	1000
	trans-1,2-Dichloroethene	SW8260						0/17	100
	Trichloroethene	SW8260						0/17	5
	Vinyl chloride	SW8260						0/17	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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JW-7									
	Dichloroethene, 1,1-	SW8260						0/38	7
	Bromodichloromethane	SW8260						0/12	80 [5]
	Bromoform	SW8260						0/12	80 [5]
	Chloroform	SW8260						0/12	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/40	70
	Dibromochloromethane	SW8260						0/12	80 [5]
	Dichlorodifluoromethane	SW8260	1.0	03/22/2005	0.33 F	12/22/2005	0.14 F	5/7	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.2 M	03/21/2006	1.2 M	1/11	5
	Naphthalene	SW8260						0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	12/11/2006	0.77 F	09/20/2005	0.22 F	34/6	5
	Toluene	SW8260						0/12	1000
	trans-1,2-Dichloroethene	SW8260						0/38	100
	Trichloroethene	SW8260						0/40	5
	Vinyl chloride	SW8260						0/40	2

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JW-8									
	Dichloroethene, 1,1-	SW8260						0/39	7
	Bromodichloromethane	SW8260						0/13	80 [5]
	Bromoform	SW8260						0/13	80 [5]
	Chloroform	SW8260	0.3	03/24/2005	0.10 F	03/24/2005	0.10 F	1/12	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/13/2007	0.40 F	03/21/2007	0.12 F	4/38	70
	Dibromochloromethane	SW8260						0/13	80 [5]
	Dichlorodifluoromethane	SW8260						0/13	-- [6]
	Methylene chloride	SW8260	2.0	03/23/2006	1.16 F	03/23/2006	1.16 F	1/12	5
	Naphthalene	SW8260						0/13	-- [6]
	Tetrachloroethene	SW8260	1.4	09/04/2009	0.48 F	03/24/2005	0.12 F	30/12	5
	Toluene	SW8260						0/13	1000
	trans-1,2-Dichloroethene	SW8260						0/39	100
	Trichloroethene	SW8260	1.0	12/16/2004	0.22 F	03/24/2005	0.21 F	2/40	5
	Vinyl chloride	SW8260						0/42	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-9									
	Dichloroethene, 1,1-	SW8260						0/27	7
	Bromodichloromethane	SW8260						0/16	80 [5]
	Bromoform	SW8260						0/16	80 [5]
	Chloroform	SW8260						0/16	80 [5]
	cis-1,2-Dichloroethene	SW8260		12/19/2001	0.33 F	12/19/2001	0.33 F	1/26	70
	Dibromochloromethane	SW8260						0/16	80 [5]
	Dichlorodifluoromethane	SW8260						0/16	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.13 M	03/20/2002	0.37 F	2/14	5
	Naphthalene	SW8260						0/16	-- [6]
	Tetrachloroethene	SW8260		03/04/2004	0.15 F	03/04/2004	0.15 F	1/26	5
	Toluene	SW8260		03/11/2003	0.23 F	03/11/2003	0.23 F	1/15	1000
	trans-1,2-Dichloroethene	SW8260						0/27	100
	Trichloroethene	SW8260						0/27	5
	Vinyl chloride	SW8260						0/27	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-13									
	Dichloroethene, 1,1-	SW8260						0/16	7
	Bromodichloromethane	SW8260						0/6	80 [5]
	Bromoform	SW8260						0/6	80 [5]
	Chloroform	SW8260						0/6	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/17	70
	Dibromochloromethane	SW8260						0/6	80 [5]
	Dichlorodifluoromethane	SW8260						0/6	-- [6]
	Methylene chloride	SW8260						0/5	5
	Naphthalene	SW8260						0/6	-- [6]
	Tetrachloroethene	SW8260						0/17	5
	Toluene	SW8260						0/6	1000
	trans-1,2-Dichloroethene	SW8260						0/17	100
	Trichloroethene	SW8260						0/17	5
	Vinyl chloride	SW8260						0/17	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-14									
	Dichloroethene, 1,1-	SW8260						0/44	7
	Bromodichloromethane	SW8260		12/01/2003	5.93	03/02/2004	0.13 F	4/16	80 [5]
	Bromoform	SW8260		12/01/2003	1.07 F	12/01/2003	1.07 F	1/19	80 [5]
	Chloroform	SW8260	0.3	12/01/2003	53.45	09/22/2004	0.11 F	15/5	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/45	70
	Dibromochloromethane	SW8260		12/01/2003	2.72	09/18/2001	0.10 F	3/17	80 [5]
	Dichlorodifluoromethane	SW8260						0/20	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.1 M	03/19/2002	0.39 F	3/16	5
	Naphthalene	SW8260						0/20	-- [6]
	Tetrachloroethene	SW8260	1.4	06/03/2009	0.19 F	12/14/2006	0.07 F	11/34	5
	Toluene	SW8260	1.1	03/10/2003	0.45 F	03/21/2006	0.14 F	2/18	1000
	trans-1,2-Dichloroethene	SW8260						0/45	100
	Trichloroethene	SW8260						0/45	5
	Vinyl chloride	SW8260						0/45	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-15									
	Dichloroethene, 1,1-	SW8260	1.2					0/15	7
	Bromodichloromethane	SW8260	0.8					0/4	80 [5]
	Bromoform	SW8260	1.2					0/4	80 [5]
	Chloroform	SW8260	0.3					0/4	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/15	70
	Dibromochloromethane	SW8260	0.5					0/4	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/4	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.13 M	03/21/2006	1.13 M	1/3	5
	Naphthalene	SW8260	1.0					0/4	-- [6]
	Tetrachloroethene	SW8260	1.4					0/15	5
	Toluene	SW8260	1.1					0/4	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/15	100
	Trichloroethene	SW8260	1.0					0/15	5
	Vinyl chloride	SW8260	1.1					0/15	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-20									
	Dichloroethene, 1,1-	SW8260	1.2					0/6	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/11	70
	Tetrachloroethene	SW8260	1.4					0/11	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/6	100
	Trichloroethene	SW8260	1.0					0/11	5
	Vinyl chloride	SW8260	1.1					0/11	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-26									
	Dichloroethene, 1,1-	SW8260						0/19	7
	Bromodichloromethane	SW8260						0/13	80 [5]
	Bromoform	SW8260						0/13	80 [5]
	Chloroform	SW8260		09/10/2003	0.18 F	03/21/2002	0.11 F	2/11	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/20	70
	Dibromochloromethane	SW8260						0/13	80 [5]
	Dichlorodifluoromethane	SW8260						0/13	-- [6]
	Methylene chloride	SW8260		03/21/2002	0.21 F	03/21/2002	0.21 F	1/11	5
	Naphthalene	SW8260						0/13	-- [6]
	Tetrachloroethene	SW8260		06/18/2003	0.14 F	03/13/2003	0.11 F	3/17	5
	Toluene	SW8260						0/13	1000
	trans-1,2-Dichloroethene	SW8260						0/20	100
	Trichloroethene	SW8260						0/20	5
	Vinyl chloride	SW8260						0/20	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-27									
	Dichloroethene, 1,1-	SW8260						0/25	7
	Bromodichloromethane	SW8260						0/6	80 [5]
	Bromoform	SW8260						0/6	80 [5]
	Chloroform	SW8260						0/6	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/25	70
	Dibromochloromethane	SW8260						0/6	80 [5]
	Dichlorodifluoromethane	SW8260						0/6	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.1 M	03/21/2006	1.1 M	1/5	5
	Naphthalene	SW8260						0/6	-- [6]
	Tetrachloroethene	SW8260	1.4	03/06/2008	0.12 F	06/21/2006	0.07 F	3/22	5
	Toluene	SW8260						0/6	1000
	trans-1,2-Dichloroethene	SW8260						0/25	100
	Trichloroethene	SW8260	1.0	06/21/2005	0.10 F	06/21/2005	0.10 F	1/24	5
	Vinyl chloride	SW8260						0/25	2

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-28									
	Dichloroethene, 1,1-	SW8260						0/34	7
	Bromodichloromethane	SW8260						0/12	80 [5]
	Bromoform	SW8260						0/12	80 [5]
	Chloroform	SW8260						0/12	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/34	70
	Dibromochloromethane	SW8260						0/12	80 [5]
	Dichlorodifluoromethane	SW8260						0/12	-- [6]
	Methylene chloride	SW8260	2.0	03/22/2006	1.15 F	03/22/2006	1.15 F	1/11	5
	Naphthalene	SW8260						0/12	-- [6]
	Tetrachloroethene	SW8260						0/34	5
	Toluene	SW8260	1.1	09/22/2004	0.24 F	12/16/2004	0.12 F	9/3	1000
	trans-1,2-Dichloroethene	SW8260						0/34	100
	Trichloroethene	SW8260						0/34	5
	Vinyl chloride	SW8260						0/34	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-29									
	Dichloroethene, 1,1-	SW8260						0/39	7
	Bromodichloromethane	SW8260						0/13	80 [5]
	Bromoform	SW8260						0/13	80 [5]
	Chloroform	SW8260						0/13	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/39	70
	Dibromochloromethane	SW8260						0/13	80 [5]
	Dichlorodifluoromethane	SW8260						0/13	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.09 M	03/21/2006	1.09 M	1/12	5
	Naphthalene	SW8260						0/13	-- [6]
	Tetrachloroethene	SW8260	1.4	09/20/2007	0.16 F	03/04/2008	0.10 F	6/33	5
	Toluene	SW8260						0/13	1000
	trans-1,2-Dichloroethene	SW8260						0/39	100
	Trichloroethene	SW8260						0/39	5
	Vinyl chloride	SW8260						0/39	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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JW-30									
	Dichloroethene, 1,1-	SW8260						0/40	7
	Bromodichloromethane	SW8260						0/14	80 [5]
	Bromoform	SW8260						0/14	80 [5]
	Chloroform	SW8260	0.3	03/23/2005	0.11 F	03/23/2005	0.11 F	1/13	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/12/2007	0.65 F	03/02/2010	0.21 F	5/35	70
	Dibromochloromethane	SW8260						0/14	80 [5]
	Dichlorodifluoromethane	SW8260						0/14	-- [6]
	Methylene chloride	SW8260	2.0	03/22/2006	1.13 F	03/22/2006	1.13 F	1/13	5
	Naphthalene	SW8260						0/14	-- [6]
	Tetrachloroethene	SW8260	1.4	06/22/2006	0.22 F	03/23/2005	0.10 F	14/26	5
	Toluene	SW8260						0/14	1000
	trans-1,2-Dichloroethene	SW8260						0/40	100
	Trichloroethene	SW8260	1.0	12/15/2004	0.27 F	03/13/2003	0.08 F	3/37	5
	Vinyl chloride	SW8260						0/40	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
JW-31									
	Dichloroethene, 1,1-	SW8260	1.2					0/11	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/11	70
	Tetrachloroethene	SW8260	1.4					0/11	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/11	100
	Trichloroethene	SW8260	1.0					0/11	5
	Vinyl chloride	SW8260	1.1					0/11	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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LS-1									
	Dichloroethene, 1,1-	SW8260						0/30	7
	Bromodichloromethane	SW8260		03/12/2003	0.46 F	03/12/2003	0.46 F	1/11	80 [5]
	Bromoform	SW8260		03/12/2003	0.58 F	03/12/2003	0.58 F	1/11	80 [5]
	Chloroform	SW8260		03/12/2003	0.42	09/17/2002	0.07 F	9/3	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/02/2009	2.55	06/03/2010	0.19 F	3/29	70
	Dibromochloromethane	SW8260		03/12/2003	0.51	03/12/2003	0.51	1/11	80 [5]
	Dichlorodifluoromethane	SW8260						0/12	-- [6]
	Methylene chloride	SW8260		12/19/2001	0.22 F	12/19/2001	0.22 F	1/10	5
	Naphthalene	SW8260						0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	12/02/2009	1.3 F	08/30/2010	0.24 F	27/5	5
	Toluene	SW8260						0/12	1000
	trans-1,2-Dichloroethene	SW8260						0/31	100
	Trichloroethene	SW8260	1.0	12/02/2009	0.63 F	03/12/2003	0.12 F	14/18	5
	Vinyl chloride	SW8260						0/32	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
LS-4									
	Dichloroethene, 1,1-	SW8260						0/40	7
	Bromodichloromethane	SW8260	0.8	09/20/2005	0.23 F	09/20/2005	0.23 F	1/19	80 [5]
	Bromoform	SW8260						0/20	80 [5]
	Chloroform	SW8260	0.3	09/20/2005	0.40	03/03/2004	0.16 F	3/17	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/42	70
	Dibromochloromethane	SW8260						0/20	80 [5]
	Dichlorodifluoromethane	SW8260						0/20	-- [6]
	Methylene chloride	SW8260	2.0	03/23/2006	1.18 F	12/19/2001	0.20 F	2/17	5
	Naphthalene	SW8260						0/20	-- [6]
	Tetrachloroethene	SW8260	1.4	03/12/2003	0.25 F	06/05/2014	0.08 F	20/22	5
	Toluene	SW8260						0/20	1000
	trans-1,2-Dichloroethene	SW8260						0/41	100
	Trichloroethene	SW8260						0/42	5
	Vinyl chloride	SW8260						0/42	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
LS-5									
	Dichloroethene, 1,1-	SW8260						0/67	7
	Bromodichloromethane	SW8260						0/20	80 [5]
	Bromoform	SW8260						0/20	80 [5]
	Chloroform	SW8260						0/20	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/82	70
	Dibromochloromethane	SW8260						0/20	80 [5]
	Dichlorodifluoromethane	SW8260						0/20	-- [6]
	Methylene chloride	SW8260	2.0	03/20/2006	1.13 M	03/20/2002	0.25 F	3/16	5
	Naphthalene	SW8260						0/20	-- [6]
	Tetrachloroethene	SW8260	1.4	09/06/2011	1.38 F	03/12/2003	0.08 F	57/25	5
	Toluene	SW8260						0/20	1000
	trans-1,2-Dichloroethene	SW8260						0/68	100
	Trichloroethene	SW8260	1.0	09/06/2011	4.8	06/19/2006	0.09 F	77/5	5
	Vinyl chloride	SW8260						0/82	2
	Arsenic	SW6010B	30	03/28/2017	**24.5** F	06/05/2017	0.90 F	14/16	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/6	10
	Barium	SW6010B	5.0	04/23/2013	32.7	04/23/2013	32.7	1/0	2000
	Cadmium	SW6010B	7.0	03/02/2015	1.2 F	03/02/2015	1.2 F	1/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/6	5
	Chromium	SW6010B	10	03/06/2018	1.5 F	11/30/2015	1.1 F	4/26	100
	Chromium-Dissolved	SW6010B-DISS	10					0/6	100
	Copper	SW6010B	10	12/05/2016	40	03/11/2019	4.0 F	30/0	1300
	Copper-Dissolved	SW6010B-DISS	10	08/03/2012	30.8	10/01/2012	9.0	6/0	1300
	Mercury	SW7470A	1.0					0/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/6	2
	Nickel	SW6010B	10	03/11/2019	2.0 F	03/11/2019	2.0 F	2/28	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/6	-- [6]
	Lead	SW6010B	25	03/28/2017	**21.7** F	12/03/2018	2.1 F	8/22	15
	Lead-Dissolved	SW6010B-DISS	25	08/03/2012	6.3	08/06/2012	4.7	2/4	15
	Zinc	SW6010B	50	03/02/2015	90	06/03/2019	11 F	30/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/03/2012	81.5	08/30/2012	14.5 F	6/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
LS-6									
	Dichloroethene, 1,1-	SW8260						0/66	7
	Bromodichloromethane	SW8260	0.8	06/20/2005	0.60 F	09/19/2005	0.11 F	3/18	80 [5]
	Bromoform	SW8260						0/21	80 [5]
	Chloroform	SW8260	0.3	06/20/2005	0.60	12/21/2005	0.07 F	4/17	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/81	70
	Dibromochloromethane	SW8260	0.5	06/20/2005	0.43 F	09/20/2004	0.14 F	2/19	80 [5]
	Dichlorodifluoromethane	SW8260						0/21	-- [6]
	Methylene chloride	SW8260	2.0	03/20/2006	1.09 M	12/18/2001	0.33 F	3/17	5
	Naphthalene	SW8260	1.0	03/21/2005	0.43	03/21/2005	0.43	1/19	-- [6]
	Tetrachloroethene	SW8260	1.4	09/27/2001	**10**	06/01/2015	0.29 F	76/5	5
	Toluene	SW8260		03/12/2003	0.17 F	03/12/2003	0.17 F	1/20	1000
	trans-1,2-Dichloroethene	SW8260						0/67	100
	Trichloroethene	SW8260	1.0	12/01/2014	3.68	09/16/2002	0.10 F	66/15	5
	Vinyl chloride	SW8260	1.1	12/03/2018	0.34 F	12/03/2018	0.34 F	1/80	2
	Arsenic	SW6010B	30	03/28/2017	**19.5** F	06/05/2017	0.60 F	16/14	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/6	10
	Barium	SW6010B	5.0	04/23/2013	38.1	04/23/2013	38.1	1/0	2000
	Cadmium	SW6010B	7.0	03/02/2015	1.5 F	03/02/2015	1.5 F	1/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/6	5
	Chromium	SW6010B	10	03/28/2017	1.7 F	09/13/2018	1.1 F	6/24	100
	Chromium-Dissolved	SW6010B-DISS	10					0/6	100
	Copper	SW6010B	10	03/06/2018	30	09/04/2019	4.0 F	25/5	1300
	Copper-Dissolved	SW6010B-DISS	10	08/16/2012	8.5	03/07/2012	3.1 F	5/1	1300
	Mercury	SW7470A	1.0	12/09/2013	0.20 F	12/09/2013	0.20 F	1/29	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/6	2
	Nickel	SW6010B	10	03/11/2019	2.0 F	03/11/2019	2.0 F	2/28	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/6	-- [6]
	Lead	SW6010B	25	03/28/2017	**17.2** F	06/05/2017	2.2 F	6/24	15
	Lead-Dissolved	SW6010B-DISS	25	08/03/2012	2.6 F	08/06/2012	2.1 F	2/4	15
	Zinc	SW6010B	50	03/06/2018	72	12/05/2016	13 F	27/3	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/16/2012	93	08/30/2012	8.9 F	6/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
LS-7									
	Dichloroethene, 1,1-	SW8260						0/71	7
	Bromodichloromethane	SW8260		09/16/2002	0.17 F	09/16/2002	0.17 F	1/22	80 [5]
	Bromoform	SW8260						0/23	80 [5]
	Chloroform	SW8260		09/16/2002	0.83	12/02/2002	0.08 F	11/12	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/86	70
	Dibromochloromethane	SW8260						0/23	80 [5]
	Dichlorodifluoromethane	SW8260						0/23	-- [6]
	Methylene chloride	SW8260	2.0	03/20/2006	1.12 M	12/18/2001	0.39 F	3/19	5
	Naphthalene	SW8260						0/22	-- [6]
	Tetrachloroethene	SW8260	1.4	12/02/2002	**7.16**	11/30/2015	0.24 F	82/4	5
	Toluene	SW8260	1.1	06/20/2005	0.12 F	06/20/2005	0.12 F	1/22	1000
	trans-1,2-Dichloroethene	SW8260						0/72	100
	Trichloroethene	SW8260	1.0	12/02/2002	1.05	03/02/2009	0.10 F	69/17	5
	Vinyl chloride	SW8260						0/86	2
	Arsenic	SW6010B	30	03/28/2017	**19.7** F	09/08/2015	1.3 F	14/16	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/6	10
	Barium	SW6010B	5.0	04/23/2013	37	04/23/2013	37	1/0	2000
	Cadmium	SW6010B	7.0	03/02/2015	1.9 F	03/02/2015	1.9 F	1/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/6	5
	Chromium	SW6010B	10	06/06/2018	2.2 F	03/06/2018	1.1 F	5/25	100
	Chromium-Dissolved	SW6010B-DISS	10					0/6	100
	Copper	SW6010B	10	06/06/2018	56	09/04/2019	4.0 F	30/0	1300
	Copper-Dissolved	SW6010B-DISS	10	08/06/2012	12.5	10/01/2012	4.2 F	6/0	1300
	Mercury	SW7470A	1.0	12/09/2013	0.20 F	12/09/2013	0.20 F	1/29	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/6	2
	Nickel	SW6010B	10					0/30	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/6	-- [6]
	Lead	SW6010B	25	06/06/2018	**28.5**	06/05/2017	3.5 F	6/24	15
	Lead-Dissolved	SW6010B-DISS	25	08/06/2012	3.1	08/03/2012	2.1 F	2/4	15
	Zinc	SW6010B	50	03/06/2018	138	09/03/2014	9.0 F	28/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	10/01/2012	29.2 F	08/16/2012	13.8 F	5/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OFR-1									
	Dichloroethene, 1,1-	SW8260						0/42	7
	Bromodichloromethane	SW8260						0/19	80 [5]
	Bromoform	SW8260						0/19	80 [5]
	Chloroform	SW8260						0/19	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/43	70
	Dibromochloromethane	SW8260						0/19	80 [5]
	Dichlorodifluoromethane	SW8260						0/19	-- [6]
	Methylene chloride	SW8260		09/18/2002	1.35 B	03/21/2002	0.32 F	3/15	5
	Naphthalene	SW8260						0/19	-- [6]
	Tetrachloroethene	SW8260	1.4	09/09/2003	0.49 F	08/31/2010	0.16 F	36/7	5
	Toluene	SW8260		03/21/2002	0.12 F	03/21/2002	0.12 F	1/18	1000
	trans-1,2-Dichloroethene	SW8260						0/43	100
	Trichloroethene	SW8260						0/43	5
	Vinyl chloride	SW8260						0/43	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OFR-3									
	Dichloroethene, 1,1-	SW8260						0/57	7
	Bromodichloromethane	SW8260						0/23	80 [5]
	Bromoform	SW8260						0/23	80 [5]
	Chloroform	SW8260						0/23	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/23/2013	0.25 F	09/02/2008	0.11 F	8/64	70
	Dibromochloromethane	SW8260						0/23	80 [5]
	Dichlorodifluoromethane	SW8260	1.0	06/11/2002	1.89	03/21/2005	0.16 F	22/1	-- [6]
	Methylene chloride	SW8260	2.0	03/22/2006	1.15 F	12/18/2001	0.26 F	5/17	5
	Naphthalene	SW8260						0/23	-- [6]
	Tetrachloroethene	SW8260	1.4	12/04/2003	**12.55**	03/22/2006	0.41 F	70/2	5
	Toluene	SW8260						0/23	1000
	trans-1,2-Dichloroethene	SW8260						0/58	100
	Trichloroethene	SW8260	1.0	12/04/2003	**7.88**	03/22/2006	0.52 F	71/1	5
	Vinyl chloride	SW8260						0/71	2
	Arsenic	SW6010B	30	03/28/2017	**20.3** F	03/11/2019	1.0 F	11/11	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/5	10
	Barium	SW6010B	5.0	04/23/2013	34.5	04/23/2013	34.5	1/0	2000
	Cadmium	SW6010B	7.0					0/22	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	12/05/2016	17	04/03/2015	1.1 F	9/13	100
	Chromium-Dissolved	SW6010B-DISS	10	08/06/2012	1.1 F	08/06/2012	1.1 F	1/4	100
	Copper	SW6010B	10	03/06/2018	87	03/07/2016	4.0 F	12/10	1300
	Copper-Dissolved	SW6010B-DISS	10	08/30/2012	4.3 F	08/03/2012	4.1 F	2/3	1300
	Mercury	SW7470A	1.0					0/22	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	12/05/2016	11	03/06/2018	2.0 F	5/17	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/5	-- [6]
	Lead	SW6010B	25	06/06/2016	**19.7** F	06/05/2017	2.0 F	5/17	15
	Lead-Dissolved	SW6010B-DISS	25					0/5	15
	Zinc	SW6010B	50	06/06/2016	319	12/03/2018	48 F	21/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/06/2012	82.9	08/03/2012	78.2	5/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OFR-4									
	Dichloroethene, 1,1-	SW8260						0/15	7
	Bromodichloromethane	SW8260						0/5	80 [5]
	Bromoform	SW8260						0/5	80 [5]
	Chloroform	SW8260						0/5	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/15	70
	Dibromochloromethane	SW8260						0/5	80 [5]
	Dichlorodifluoromethane	SW8260						0/5	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.14 M	03/21/2006	1.14 M	1/4	5
	Naphthalene	SW8260						0/5	-- [6]
	Tetrachloroethene	SW8260						0/15	5
	Toluene	SW8260						0/5	1000
	trans-1,2-Dichloroethene	SW8260						0/15	100
	Trichloroethene	SW8260						0/15	5
	Vinyl chloride	SW8260						0/15	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OW-BARNOWL									
	Dichloroethene, 1,1-	SW8260	1.2					0/15	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/16	70
	Tetrachloroethene	SW8260	1.4	02/28/2011	0.15 F	02/28/2011	0.15 F	1/15	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/15	100
	Trichloroethene	SW8260	1.0					0/16	5
	Vinyl chloride	SW8260	1.1					0/16	2
	Arsenic	SW6010B	30	06/03/2015	1.1 F	06/03/2015	1.1 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10					0/1	100
	Copper	SW6010B	10	06/03/2015	8.0 F	06/03/2015	8.0 F	1/0	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50	06/03/2015	22 F	06/03/2015	22 F	1/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OW-CE1									
	Dichloroethene, 1,1-	SW8260	1.2					0/10	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/10	70
	Tetrachloroethene	SW8260	1.4					0/10	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/10	100
	Trichloroethene	SW8260	1.0					0/10	5
	Vinyl chloride	SW8260	1.1					0/10	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OW-CE2									
	Dichloroethene, 1,1-	SW8260	1.2					0/10	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/10	70
	Tetrachloroethene	SW8260	1.4					0/10	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/10	100
	Trichloroethene	SW8260	1.0					0/10	5
	Vinyl chloride	SW8260	1.1					0/10	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OW-DAIRYWELL									
	Dichloroethene, 1,1-	SW8260	1.2					0/10	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/01/2015	0.20 F	12/01/2015	0.20 F	1/9	70
	Tetrachloroethene	SW8260	1.4					0/10	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/10	100
	Trichloroethene	SW8260	1.0					0/10	5
	Vinyl chloride	SW8260	1.1					0/10	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
OW-HH1									
	Dichloroethene, 1,1-	SW8260	1.2					0/10	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/10	70
	Tetrachloroethene	SW8260	1.4					0/10	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/10	100
	Trichloroethene	SW8260	1.0					0/10	5
	Vinyl chloride	SW8260	1.1					0/10	2

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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OW-HH2									
	Dichloroethene, 1,1-	SW8260	1.2					0/15	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/16	70
	Tetrachloroethene	SW8260	1.4	02/28/2011	0.20 F	02/28/2011	0.20 F	1/15	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/15	100
	Trichloroethene	SW8260	1.0					0/16	5
	Vinyl chloride	SW8260	1.1					0/16	2
	Arsenic	SW6010B	30	06/03/2015	2.4 F	06/03/2015	2.4 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10					0/1	100
	Copper	SW6010B	10	06/03/2015	5.0 F	06/03/2015	5.0 F	1/0	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50	06/03/2015	20 F	06/03/2015	20 F	1/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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OW-HH3									
	Dichloroethene, 1,1-	SW8260	1.2					0/10	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/10	70
	Tetrachloroethene	SW8260	1.4					0/10	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/10	100
	Trichloroethene	SW8260	1.0					0/10	5
	Vinyl chloride	SW8260	1.1					0/10	2

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OW-MT2									
	Dichloroethene, 1,1-	SW8260	1.2					0/10	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/10	70
	Tetrachloroethene	SW8260	1.4					0/10	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/10	100
	Trichloroethene	SW8260	1.0					0/10	5
	Vinyl chloride	SW8260	1.1					0/10	2

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RFR-3									
	Dichloroethene, 1,1-	SW8260						0/18	7
	Bromodichloromethane	SW8260						0/7	80 [5]
	Bromoform	SW8260						0/7	80 [5]
	Chloroform	SW8260						0/7	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/19	70
	Dibromochloromethane	SW8260						0/7	80 [5]
	Dichlorodifluoromethane	SW8260						0/7	-- [6]
	Methylene chloride	SW8260						0/6	5
	Naphthalene	SW8260						0/7	-- [6]
	Tetrachloroethene	SW8260		12/02/2003	0.12 F	12/02/2003	0.12 F	1/18	5
	Toluene	SW8260						0/7	1000
	trans-1,2-Dichloroethene	SW8260						0/19	100
	Trichloroethene	SW8260						0/19	5
	Vinyl chloride	SW8260						0/19	2

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RFR-4									
	Dichloroethene, 1,1-	SW8260						0/13	7
	Bromodichloromethane	SW8260						0/3	80 [5]
	Bromoform	SW8260						0/3	80 [5]
	Chloroform	SW8260	0.3	03/23/2005	0.22 F	03/23/2005	0.22 F	1/2	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/13	70
	Dibromochloromethane	SW8260						0/3	80 [5]
	Dichlorodifluoromethane	SW8260						0/3	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.26 M	03/21/2006	1.26 M	1/2	5
	Naphthalene	SW8260						0/3	-- [6]
	Tetrachloroethene	SW8260						0/13	5
	Toluene	SW8260						0/3	1000
	trans-1,2-Dichloroethene	SW8260						0/13	100
	Trichloroethene	SW8260						0/13	5
	Vinyl chloride	SW8260						0/13	2

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RFR-5									
	Dichloroethene, 1,1-	SW8260						0/15	7
	Bromodichloromethane	SW8260						0/3	80 [5]
	Bromoform	SW8260						0/3	80 [5]
	Chloroform	SW8260						0/3	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/15	70
	Dibromochloromethane	SW8260						0/3	80 [5]
	Dichlorodifluoromethane	SW8260						0/3	-- [6]
	Methylene chloride	SW8260	2.0	03/21/2006	1.27 M	03/21/2006	1.27 M	1/2	5
	Naphthalene	SW8260						0/3	-- [6]
	Tetrachloroethene	SW8260						0/15	5
	Toluene	SW8260						0/3	1000
	trans-1,2-Dichloroethene	SW8260						0/15	100
	Trichloroethene	SW8260						0/15	5
	Vinyl chloride	SW8260						0/15	2

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RFR-8									
	Dichloroethene, 1,1-	SW8260						0/17	7
	Bromodichloromethane	SW8260						0/6	80 [5]
	Bromoform	SW8260						0/6	80 [5]
	Chloroform	SW8260						0/6	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/17	70
	Dibromochloromethane	SW8260						0/6	80 [5]
	Dichlorodifluoromethane	SW8260						0/6	-- [6]
	Methylene chloride	SW8260						0/6	5
	Naphthalene	SW8260						0/6	-- [6]
	Tetrachloroethene	SW8260						0/17	5
	Toluene	SW8260						0/6	1000
	trans-1,2-Dichloroethene	SW8260						0/17	100
	Trichloroethene	SW8260						0/17	5
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RFR-9									
	Dichloroethene, 1,1-	SW8260						0/21	7
	Bromodichloromethane	SW8260						0/7	80 [5]
	Bromoform	SW8260						0/7	80 [5]
	Chloroform	SW8260						0/7	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/21	70
	Dibromochloromethane	SW8260						0/7	80 [5]
	Dichlorodifluoromethane	SW8260						0/7	-- [6]
	Methylene chloride	SW8260		12/20/2001	0.52 F	12/20/2001	0.52 F	1/6	5
	Naphthalene	SW8260						0/7	-- [6]
	Tetrachloroethene	SW8260	1.4	09/04/2009	0.20 F	09/04/2009	0.20 F	1/20	5
	Toluene	SW8260						0/7	1000
	trans-1,2-Dichloroethene	SW8260						0/21	100
	Trichloroethene	SW8260						0/21	5
	Vinyl chloride	SW8260						0/21	2

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
RFR-10									
	Dichloroethene, 1,1-	SW8260						0/73	7
	Bromodichloromethane	SW8260						0/23	80 [5]
	Bromoform	SW8260						0/23	80 [5]
	Chloroform	SW8260		09/11/2003	0.21 F	12/02/2003	0.14 F	2/21	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/02/2003	0.96 F	06/01/2015	0.13 F	54/38	70
	Dibromochloromethane	SW8260						0/23	80 [5]
	Dichlorodifluoromethane	SW8260						0/23	-- [6]
	Methylene chloride	SW8260	2.0	03/20/2006	1.12 M	12/17/2001	0.30 F	2/20	5
	Naphthalene	SW8260						0/23	-- [6]
	Tetrachloroethene	SW8260	1.4	07/17/2003	**91.7**	12/11/2006	2.37	92/0	5
	Toluene	SW8260	1.1	07/16/2003	27.5	06/20/2005	0.17 F	5/22	1000
	trans-1,2-Dichloroethene	SW8260						0/78	100
	Trichloroethene	SW8260	1.0	07/16/2003	**19.9**	08/31/2009	1.21	91/1	5
	Vinyl chloride	SW8260						0/88	2
	Arsenic	SW6010B	30	03/28/2017	**16.5** F	03/05/2014	0.70 F	13/18	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/6	10
	Barium	SW6010B	5.0	04/23/2013	32.8	04/23/2013	32.8	1/0	2000
	Cadmium	SW6010B	7.0	03/02/2015	1.7 F	03/02/2015	1.7 F	1/30	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/6	5
	Chromium	SW6010B	10	09/13/2018	1.4 F	05/19/2015	1.1 F	3/28	100
	Chromium-Dissolved	SW6010B-DISS	10					0/6	100
	Copper	SW6010B	10	06/06/2018	147	12/03/2018	4.0 F	22/9	1300
	Copper-Dissolved	SW6010B-DISS	10	08/30/2012	11.3	08/03/2012	3.7 F	5/1	1300
	Mercury	SW7470A	1.0					0/31	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/6	2
	Nickel	SW6010B	10	03/11/2019	5.0 F	07/19/2013	1.4 F	8/23	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/30/2012	5.5	08/03/2012	2.3 F	2/4	-- [6]
	Lead	SW6010B/SW6020	25/2.0	03/28/2017	**15.2** F	08/24/2004	0.80 F	5/27	15
	Lead-Dissolved	SW6010B-DISS	25	08/30/2012	3.9	08/03/2012	3.0	3/3	15
	Zinc	SW6010B	50	03/11/2019	72	06/02/2014	11 F	23/8	5000
	Zinc-Dissolved	SW6010B-DISS	50	10/01/2012	16.3 F	08/30/2012	9.5 F	6/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
RFR-11									
	Dichloroethene, 1,1-	SW8260						0/66	7
	Bromodichloromethane	SW8260						0/22	80 [5]
	Bromoform	SW8260						0/22	80 [5]
	Chloroform	SW8260		10/04/2001	0.14 F	10/04/2001	0.14 F	1/21	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/81	70
	Dibromochloromethane	SW8260						0/22	80 [5]
	Dichlorodifluoromethane	SW8260						0/22	-- [6]
	Methylene chloride	SW8260	2.0	03/20/2006	1.08 M	03/19/2002	0.24 F	3/18	5
	Naphthalene	SW8260						0/22	-- [6]
	Tetrachloroethene	SW8260	1.4	10/12/2001	**16.73**	06/19/2006	0.33 F	75/6	5
	Toluene	SW8260						0/22	1000
	trans-1,2-Dichloroethene	SW8260						0/67	100
	Trichloroethene	SW8260	1.0	12/03/2018	4.96	03/03/2008	0.08 F	72/9	5
	Vinyl chloride	SW8260						0/81	2
	Arsenic	SW6010B	30	03/28/2017	**19.2** F	06/01/2015	0.60 F	14/16	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/5	10
	Barium	SW6010B	5.0	04/23/2013	34.7	04/23/2013	34.7	1/0	2000
	Cadmium	SW6010B	7.0	03/02/2015	1.4 F	03/02/2015	1.4 F	1/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	06/06/2016	2.6 F	09/04/2019	1.1 F	15/15	100
	Chromium-Dissolved	SW6010B-DISS	10					0/5	100
	Copper	SW6010B	10	06/03/2019	141	09/13/2018	4.0 F	28/2	1300
	Copper-Dissolved	SW6010B-DISS	10	08/03/2012	20.3	03/08/2012	4.2 F	5/0	1300
	Mercury	SW7470A	1.0	12/09/2013	0.20 F	12/09/2013	0.20 F	1/29	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	12/02/2019	3.0 F	09/04/2019	2.0 F	8/22	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/5	-- [6]
	Lead	SW6010B	25	06/03/2019	**27.1**	11/30/2015	2.1 F	9/21	15
	Lead-Dissolved	SW6010B-DISS	25	08/03/2012	2.8 F	08/06/2012	2.6 F	2/3	15
	Zinc	SW6010B	50	06/03/2019	374	09/13/2018	23 F	30/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/03/2012	108.4	08/30/2012	35.8 F	5/0	5000

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RFR-12									
	Dichloroethene, 1,1-	SW8260						0/32	7
	Bromodichloromethane	SW8260						0/18	80 [5]
	Bromoform	SW8260						0/18	80 [5]
	Chloroform	SW8260						0/18	80 [5]
	cis-1,2-Dichloroethene	SW8260						0/37	70
	Dibromochloromethane	SW8260						0/18	80 [5]
	Dichlorodifluoromethane	SW8260						0/18	-- [6]
	Methylene chloride	SW8260	2.0	03/23/2006	1.21 F	12/18/2001	0.38 F	2/15	5
	Naphthalene	SW8260						0/18	-- [6]
	Tetrachloroethene	SW8260	1.4	12/02/2015	0.29 F	12/05/2002	0.08 F	10/27	5
	Toluene	SW8260						0/18	1000
	trans-1,2-Dichloroethene	SW8260						0/33	100
	Trichloroethene	SW8260	1.0	03/02/2015	0.89 F	09/22/2004	0.11 F	27/10	5
	Vinyl chloride	SW8260						0/37	2
	Arsenic	SW6010B	30	06/03/2015	1.3 F	06/03/2015	1.3 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10					0/1	100
	Copper	SW6010B	10	06/03/2015	4.0 F	06/03/2015	4.0 F	1/0	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50	06/03/2015	509	06/03/2015	509	1/0	5000

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RFR-13									
	Dichloroethene, 1,1-	SW8260	1.2					0/17	7
	Bromodichloromethane	SW8260	0.8	01/11/2005	8.74	03/24/2005	1.47	3/5	80 [5]
	Bromoform	SW8260	1.2	03/24/2005	1.21	03/24/2005	1.21	1/7	80 [5]
	Chloroform	SW8260	0.3	01/11/2005	64.52	06/22/2005	0.39	4/4	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/17	70
	Dibromochloromethane	SW8260	0.5	01/11/2005	2.94	03/24/2005	1.52	3/5	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/8	-- [6]
	Methylene chloride	SW8260	2.0	03/22/2006	1.15 F	03/22/2006	1.15 F	1/7	5
	Naphthalene	SW8260	1.0					0/8	-- [6]
	Tetrachloroethene	SW8260	1.4					0/16	5
	Toluene	SW8260	1.1					0/8	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/17	100
	Trichloroethene	SW8260	1.0					0/17	5
	Vinyl chloride	SW8260	1.1					0/17	2

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RFR-14									
	Dichloroethene, 1,1-	SW8260	1.2					0/28	7
	Bromodichloromethane	SW8260	0.8					0/2	80 [5]
	Bromoform	SW8260	1.2					0/2	80 [5]
	Chloroform	SW8260	0.3					0/2	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	06/14/2007	0.27 F	06/14/2007	0.27 F	1/30	70
	Dibromochloromethane	SW8260	0.5					0/2	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/2	-- [6]
	Methylene chloride	SW8260	2.0	03/23/2006	1.19 F	03/23/2006	1.19 F	1/1	5
	Naphthalene	SW8260	1.0					0/2	-- [6]
	Tetrachloroethene	SW8260	1.4	09/02/2009	0.28 F	03/22/2007	0.10 F	17/14	5
	Toluene	SW8260	1.1					0/2	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/28	100
	Trichloroethene	SW8260	1.0					0/31	5
	Vinyl chloride	SW8260	1.1					0/31	2

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SLD-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/12	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/12	70
	Tetrachloroethene	SW8260	1.4	09/11/2013	0.24 F	09/04/2014	0.09 F	2/10	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/12	100
	Trichloroethene	SW8260	1.0					0/12	5
	Vinyl chloride	SW8260	1.1					0/12	2

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SLD-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/5	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/5	70
	Tetrachloroethene	SW8260	1.4					0/5	5
	trans-1,2-Dichloroethene	SW8260	0.6					0/5	100
	Trichloroethene	SW8260	1.0					0/5	5
	Vinyl chloride	SW8260	1.1					0/5	2

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CS-WB01-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/37	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/63	70
	Tetrachloroethene	SW8260	1.4	09/17/2008	**6.5**	09/15/2016	0.93 F	62/1	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/59	100
	Trichloroethene	SW8260	1.0	12/16/2019	0.99 F	04/29/2013	0.18 F	39/24	5
	Vinyl chloride	SW8260	1.1					0/41	2
	Arsenic	SW6010B/SW6020	30/20	03/15/2017	**16.6** F	12/16/2019	0.30 F	14/16	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/29/2013	28	04/29/2013	28	1/0	2000
	Cadmium	SW6010B	7.0	12/09/2014	1.5 F	12/09/2014	1.5 F	1/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	06/13/2013	19	09/11/2014	1.2 F	27/3	100
	Chromium-Dissolved	SW6010B-DISS	10	07/31/2012	1.6 F	07/31/2012	1.6 F	1/0	100
	Copper	SW6010B	10	12/14/2016	5.0 F	12/14/2016	5.0 F	1/29	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	06/13/2013	12.9	07/22/2013	1.2 F	30/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/31/2012	14.3	07/31/2012	14.3	1/0	-- [6]
	Lead	SW6010B	25	03/07/2018	5.1 F	03/13/2019	2.7 F	2/28	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B/SW6020	50/25	12/05/2018	94	12/16/2019	9.0 F	7/23	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/31/2012	22.8 F	07/31/2012	22.8 F	1/0	5000

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/46	70
	Tetrachloroethene	SW8260	1.4	07/31/2012	**20.03**	09/09/2003	2.0 J	46/0	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/42	100
	Trichloroethene	SW8260	1.0	07/31/2012	**5.28**	09/09/2003	1.08	45/1	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/17/2015	2.1 F	06/17/2015	2.1 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/29/2013	27.9	04/29/2013	27.9	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/29/2013	1.8 F	06/17/2015	1.6 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	06/17/2015	6.0 F	07/31/2012	2.3 F	2/1	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/31/2012	8.0	07/31/2012	8.0	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/29/2013	23 F	07/31/2012	9.0 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/31/2012	24.3 F	07/31/2012	24.3 F	1/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-03									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	03/18/2008	0.16 F	03/18/2008	0.16 F	1/45	70
	Tetrachloroethene	SW8260	1.4	06/08/2016	**7.06**	04/29/2013	1.08 F	46/0	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/42	100
	Trichloroethene	SW8260	1.0	06/08/2016	**19.59**	02/26/2004	1.1 F	46/0	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/17/2015	1.7 F	06/17/2015	1.7 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/29/2013	35	04/29/2013	35	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/29/2013	1.3 F	04/29/2013	1.3 F	1/2	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/31/2012	1.4 F	07/31/2012	1.4 F	1/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/31/2012	7.4	07/31/2012	7.4	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/31/2012	10 F	07/31/2012	10 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/31/2012	10 F	07/31/2012	10 F	1/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-04									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/12/2018	2.37	06/13/2013	0.11 F	9/37	70
	Tetrachloroethene	SW8260	1.4	09/08/2003	2.58	09/27/2006	0.20 F	11/35	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/42	100
	Trichloroethene	SW8260	1.0	09/08/2003	2.53	06/13/2013	0.13 F	14/32	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/17/2015	2.6 F	06/17/2015	2.6 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/25/2013	81.3	04/25/2013	81.3	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/31/2012	3.5 F	06/17/2015	2.1 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10	07/31/2012	1.9 F	07/31/2012	1.9 F	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/31/2012	2.2 F	06/17/2015	2.0 F	2/1	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/31/2012	9.3	07/31/2012	9.3	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/25/2013	26 F	07/31/2012	14 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/31/2012	18.2 F	07/31/2012	18.2 F	1/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-05									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/16/2019	2.81	09/16/2015	0.24 F	6/40	70
	Tetrachloroethene	SW8260	1.4	09/08/2003	2.04	09/04/2012	0.12 F	14/32	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/42	100
	Trichloroethene	SW8260	1.0	06/17/2015	3.02	12/09/2014	0.16 F	33/13	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/17/2015	1.0 F	06/17/2015	1.0 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/25/2013	53.6	04/25/2013	53.6	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/31/2012	1.9 F	06/17/2015	1.2 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10					0/3	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/31/2012	16.9	07/31/2012	16.9	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/25/2013	24 F	06/17/2015	22 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/31/2012	14.6 F	07/31/2012	14.6 F	1/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-06									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/16/2019	3.55	03/10/2010	0.18 F	16/30	70
	Tetrachloroethene	SW8260	1.4	09/08/2003	2.0 J	09/04/2012	0.20 F	19/27	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/42	100
	Trichloroethene	SW8260	1.0	12/16/2019	**6.83**	09/02/2009	0.33 F	43/3	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/17/2015	2.3 F	06/17/2015	2.3 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/25/2013	48.9	04/25/2013	48.9	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/30/2012	1.8 F	06/17/2015	1.1 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	06/17/2015	3.0 F	07/30/2012	1.5 F	2/1	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/30/2012	1.1 F	07/30/2012	1.1 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/25/2013	30 F	06/17/2015	9.0 F	3/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/30/2012	21.8 F	07/30/2012	21.8 F	1/0	5000

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-07									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/16/2015	5.23	03/20/2014	0.18 F	15/31	70
	Tetrachloroethene	SW8260	1.4	09/02/2009	**22**	10/07/2003	3.47	46/0	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/42	100
	Trichloroethene	SW8260	1.0	09/01/2010	**22**	02/26/2004	4.16	46/0	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/17/2015	1.0 F	06/17/2015	1.0 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/25/2013	34.8	04/25/2013	34.8	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/30/2012	4.9 F	06/17/2015	1.7 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/30/2012	3.5 F	07/30/2012	3.5 F	1/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/30/2012	7.8	07/30/2012	7.8	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/25/2013	33 F	07/30/2012	20 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/30/2012	16.1 F	07/30/2012	16.1 F	1/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-08									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/14/2016	20.78	10/05/2007	0.25 F	17/29	70
	Tetrachloroethene	SW8260	1.4	12/09/2014	**6.16**	03/14/2011	0.16 F	42/4	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6	06/08/2016	0.76	09/16/2015	0.31 F	2/40	100
	Trichloroethene	SW8260	1.0	06/13/2013	**9.45**	03/14/2007	0.74 F	44/2	5
	Vinyl chloride	SW8260	1.1	09/17/2008	0.33 F	12/16/2019	0.24 F	2/22	2
	Arsenic	SW6010B	30	06/17/2015	2.5 F	06/17/2015	2.5 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/25/2013	27.5	04/25/2013	27.5	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/30/2012	8.2	07/30/2012	8.2	1/2	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/30/2012	10.9	04/25/2013	6.3	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/30/2012	8.7	07/30/2012	8.7	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/30/2012	42 F	06/17/2015	15 F	3/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/30/2012	31.9 F	07/30/2012	31.9 F	1/0	5000

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-LGR-09									
	Dichloroethene, 1,1-	SW8260	1.2					0/44	7
	cis-1,2-Dichloroethene	SW8260	1.2	02/22/2005	1.7	04/08/2004	0.20 F	54/16	70
	Tetrachloroethene	SW8260	1.4	10/05/2007	**21**	09/08/2003	**6.01**	69/1	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/66	100
	Trichloroethene	SW8260	1.0	10/05/2007	**32**	03/23/2015	**8.67**	69/1	5
	Vinyl chloride	SW8260	1.1	06/21/2017	1.94	03/23/2015	0.28 F	2/46	2
	Arsenic	SW6010B	30	03/15/2017	**14.5** F	12/14/2016	0.30 F	12/18	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.50 F	08/30/2012	0.50 F	1/4	10
	Barium	SW6010B	5.0	04/23/2013	35.1	04/23/2013	35.1	1/0	2000
	Cadmium	SW6010B	7.0	12/09/2014	1.4 F	03/23/2015	0.60 F	2/28	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B/SW6020	10	12/05/2018	6.6 F	12/16/2019	1.1 F	30/0	100
	Chromium-Dissolved	SW6010B-DISS	10	03/12/2012	3.8 F	08/17/2012	1.3 F	3/2	100
	Copper	SW6010B	10	03/20/2014	6.0 F	09/14/2016	4.0 F	4/26	1300
	Copper-Dissolved	SW6010B-DISS	10	08/30/2012	4.5 F	08/06/2012	3.4 F	3/2	1300
	Mercury	SW7470A	1.0					0/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	06/21/2017	13	12/11/2017	2.0 F	9/21	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	5.8	03/12/2012	1.2 F	2/3	-- [6]
	Lead	SW6010B	25	06/21/2017	4.9 F	06/11/2018	2.4 F	3/27	15
	Lead-Dissolved	SW6010B-DISS	25	08/03/2012	2.5 F	08/03/2012	2.5 F	1/4	15
	Zinc	SW6010B	50	06/21/2017	**6478**	03/09/2016	9.0 F	23/7	5000
	Zinc-Dissolved	SW6010B-DISS	50	03/12/2012	48.1 F	08/17/2012	12.6 F	5/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB01-UGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/1	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/4	70
	Tetrachloroethene	SW8260	1.4	11/18/2004	**6.58**	06/08/2016	0.99 F	4/0	5
	Toluene	SW8260	1.1					0/2	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/3	100
	Trichloroethene	SW8260	1.0	12/02/2004	1.4 F	12/02/2004	1.4 F	1/3	5
	Vinyl chloride	SW8260	1.1					0/2	2
	Arsenic	SW6010B	30	06/08/2016	2.4 F	06/08/2016	2.4 F	1/1	10
	Cadmium	SW6010B	7.0					0/2	5
	Chromium	SW6010B	10	09/12/2018	2.6 F	06/08/2016	1.8 F	2/0	100
	Copper	SW6010B	10	06/08/2016	4.0 F	06/08/2016	4.0 F	1/1	1300
	Mercury	SW7470A	1.0					0/2	2
	Nickel	SW6010B	10					0/2	-- [6]
	Lead	SW6010B	25					0/2	15
	Zinc	SW6010B	50	06/08/2016	20 F	06/08/2016	20 F	1/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB02-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/22	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/48	70
	Tetrachloroethene	SW8260	1.4	09/18/2013	**14.27**	03/23/2015	0.20 F	47/1	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/47	100
	Trichloroethene	SW8260	1.0	01/20/2004	**12**	12/10/2014	0.09 F	44/4	5
	Vinyl chloride	SW8260	1.1					0/23	2
	Arsenic	SW6010B	30	06/14/2016	8.6 F	06/24/2014	2.0 F	8/5	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/30/2013	38.2	04/30/2013	38.2	1/0	2000
	Cadmium	SW6010B	7.0	12/10/2014	**7.6**	03/23/2015	1.7 F	2/11	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	06/24/2014	**451**	09/12/2018	6.2 F	13/0	100
	Chromium-Dissolved	SW6010B-DISS	10	07/30/2012	1.4 F	07/30/2012	1.4 F	1/0	100
	Copper	SW6010B	10	06/22/2015	8.0 F	06/24/2014	4.0 F	4/9	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0	12/02/2015	0.50 F	03/23/2015	0.20 F	3/10	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/30/2012	9.2	04/30/2013	3.0 F	13/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/30/2012	1.9 F	07/30/2012	1.9 F	1/0	-- [6]
	Lead	SW6010B	25	03/23/2015	4.7 F	03/23/2015	4.7 F	1/12	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	03/23/2015	31 F	06/24/2014	9.0 F	8/5	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB02-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/4	7
	cis-1,2-Dichloroethene	SW8260	1.2	02/22/2005	1.71	02/22/2005	1.71	1/16	70
	Tetrachloroethene	SW8260	1.4	04/16/2004	**10.1**	06/14/2016	0.22 F	17/0	5
	Toluene	SW8260	1.1					0/12	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/16	100
	Trichloroethene	SW8260	1.0	05/23/2005	1.59 F	03/11/2010	0.37 F	6/11	5
	Vinyl chloride	SW8260	1.1					0/5	2
	Arsenic	SW6010B	30	06/22/2015	2.9 F	06/22/2015	2.9 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	06/22/2015	4.2 F	06/22/2015	4.2 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50					0/1	5000

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CS-WB02-LGR-03									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	10/08/2003	1.59	10/08/2003	1.59	1/49	70
	Tetrachloroethene	SW8260	1.4	10/20/2003	**11**	12/16/2019	1.96	49/1	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/46	100
	Trichloroethene	SW8260	1.0	10/20/2003	**9.24**	09/23/2015	0.26 F	44/6	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/22/2015	1.9 F	06/22/2015	1.9 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/30/2013	35.6	04/30/2013	35.6	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/30/2012	3.1 F	04/30/2013	2.4 F	3/0	100
	Chromium-Dissolved	SW6010B-DISS	10	07/30/2012	5.5	07/30/2012	5.5	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/30/2012	2.0 F	07/30/2012	2.0 F	1/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/30/2012	5.6	07/30/2012	5.6	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/30/2013	22 F	04/30/2013	22 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/30/2012	8.2 F	07/30/2012	8.2 F	1/0	5000

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CS-WB02-LGR-04									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/50	70
	Tetrachloroethene	SW8260	1.4	09/09/2003	4.83	02/22/2005	1.3 F	50/0	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/46	100
	Trichloroethene	SW8260	1.0	09/03/2009	**17**	02/22/2005	3.66	50/0	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/22/2015	0.70 F	06/22/2015	0.70 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/30/2013	94.9	04/30/2013	94.9	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	06/22/2015	2.0 F	07/30/2012	1.1 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10	07/30/2012	6.0	07/30/2012	6.0	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/30/2012	2.2 F	06/22/2015	2.0 F	2/1	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/30/2012	12.6	07/30/2012	12.6	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/30/2013	20 F	04/30/2013	20 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/30/2012	14.1 F	07/30/2012	14.1 F	1/0	5000

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CS-WB02-LGR-05									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	06/22/2017	0.61 F	09/23/2015	0.17 F	5/45	70
	Tetrachloroethene	SW8260	1.4	09/09/2003	**5.82**	03/11/2009	0.22 F	38/12	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6	09/03/2010	0.33 F	03/14/2011	0.20 F	3/43	100
	Trichloroethene	SW8260	1.0	09/03/2009	5.0	04/20/2005	0.97 F	49/1	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/22/2015	1.8 F	06/22/2015	1.8 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/29/2013	61	04/29/2013	61	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	06/22/2015	2.1 F	07/27/2012	1.3 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10	07/27/2012	1.6 F	07/27/2012	1.6 F	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/27/2012	8.8 B	07/27/2012	8.8 B	1/0	1300
	Mercury	SW7470A	1.0	07/27/2012	0.20	07/27/2012	0.20	1/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/27/2012	4.6 F	04/29/2013	1.8 F	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/27/2012	4.1 F	07/27/2012	4.1 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/29/2013	27 F	07/27/2012	12 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/27/2012	11.4 F	07/27/2012	11.4 F	1/0	5000

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CS-WB02-LGR-06									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	02/22/2005	1.67	03/19/2014	0.17 F	13/37	70
	Tetrachloroethene	SW8260	1.4	03/11/2010	**9.0**	04/29/2013	0.62 F	48/2	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6	03/14/2011	2.82	03/19/2014	0.19 F	9/37	100
	Trichloroethene	SW8260	1.0	03/11/2010	**5.9**	12/17/2003	1.17	49/1	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/22/2015	1.5 F	06/22/2015	1.5 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/29/2013	51	04/29/2013	51	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	06/22/2015	1.4 F	06/22/2015	1.4 F	1/2	100
	Chromium-Dissolved	SW6010B-DISS	10	07/27/2012	2.0 F	07/27/2012	2.0 F	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/27/2012	6.4 B	07/27/2012	6.4 B	1/0	1300
	Mercury	SW7470A	1.0	07/27/2012	0.20	07/27/2012	0.20	1/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/27/2012	3.9 F	04/29/2013	1.8 F	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/27/2012	3.9 F	07/27/2012	3.9 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/27/2012	11 F	07/27/2012	11 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB02-LGR-07									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	10/08/2003	1.56	03/14/2011	0.16 F	15/35	70
	Tetrachloroethene	SW8260	1.4	09/09/2003	**7.01**	09/23/2015	0.34 F	44/6	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/46	100
	Trichloroethene	SW8260	1.0	09/09/2003	**5.54**	04/29/2013	0.22 F	47/3	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/22/2015	1.4 F	06/22/2015	1.4 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/29/2013	26.1	04/29/2013	26.1	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/27/2012	4.2 F	06/22/2015	1.4 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10	07/27/2012	1.7 F	07/27/2012	1.7 F	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/27/2012	6.4 B	07/27/2012	6.4 B	1/0	1300
	Mercury	SW7470A	1.0	07/27/2012	0.20	07/27/2012	0.20	1/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/27/2012	4.6 F	07/27/2012	4.6 F	1/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/27/2012	2.2 F	07/27/2012	2.2 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/27/2012	11 F	07/27/2012	11 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/27/2012	9.7 F	07/27/2012	9.7 F	1/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB02-LGR-08									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/15/2016	4.38	03/11/2009	0.16 F	18/32	70
	Tetrachloroethene	SW8260	1.4	09/09/2003	**9.71**	03/14/2011	0.19 F	44/6	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6	03/14/2011	1.41	04/29/2013	0.23 F	12/34	100
	Trichloroethene	SW8260	1.0	09/09/2003	**7.56**	06/14/2016	0.28 F	44/6	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/22/2015	2.1 F	06/22/2015	2.1 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/29/2013	27.9	04/29/2013	27.9	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/27/2012	1.9 F	06/22/2015	1.6 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10	07/27/2012	2.7 F	07/27/2012	2.7 F	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/27/2012	6.7 B	07/27/2012	6.7 B	1/0	1300
	Mercury	SW7470A	1.0	07/27/2012	0.20	07/27/2012	0.20	1/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/27/2012	4.5 F	04/29/2013	1.9 F	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/27/2012	4.1 F	07/27/2012	4.1 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/27/2012	13 F	07/27/2012	13 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/27/2012	12.2 F	07/27/2012	12.2 F	1/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB02-LGR-09									
	Dichloroethene, 1,1-	SW8260	1.2					0/45	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3	10/15/2014	0.11 F	10/15/2014	0.11 F	1/0	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/08/2003	1.6	12/15/2016	0.18 F	30/44	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	06/24/2014	**430.41**	05/23/2005	2.57	74/0	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/70	100
	Trichloroethene	SW8260	1.0	09/03/2010	**15**	05/23/2005	2.13	74/0	5
	Vinyl chloride	SW8260	1.1					0/49	2
	Arsenic	SW6010B/SW6020	30/20	03/15/2017	**14.6** F	12/16/2019	0.40 F	14/16	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.90 F	08/30/2012	0.90 F	1/4	10
	Barium	SW6010B	5.0	04/29/2013	35.2	04/29/2013	35.2	1/0	2000
	Cadmium	SW6010B	7.0	12/10/2014	1.6 F	12/10/2014	1.6 F	1/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	03/07/2018	8.4 F	03/13/2019	1.1 F	28/2	100
	Chromium-Dissolved	SW6010B-DISS	10	08/06/2012	83.1	03/12/2012	2.4 F	2/3	100
	Copper	SW6010B	10	12/15/2016	6.0 F	12/15/2016	6.0 F	1/29	1300
	Copper-Dissolved	SW6010B-DISS	10	08/30/2012	4.0 F	08/06/2012	3.9 F	2/3	1300
	Mercury	SW7470A	1.0					0/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	03/07/2018	5.0 F	06/12/2013	1.5 F	6/24	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	38.2	08/06/2012	38.2	1/4	-- [6]
	Lead	SW6010B	25	03/13/2019	6.5 F	06/06/2019	2.6 F	4/26	15
	Lead-Dissolved	SW6010B-DISS	25					0/5	15
	Zinc	SW6010B	50	12/05/2018	94	12/02/2015	9.0 F	13/17	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/06/2012	31 F	08/17/2012	9.6 F	5/0	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB02-UGR-01									
	cis-1,2-Dichloroethene	SW8260	1.2					0/3	70
	Tetrachloroethene	SW8260	1.4	12/02/2004	**9.25**	07/02/2004	3.45	3/0	5
	Toluene	SW8260	1.1					0/3	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/3	100
	Trichloroethene	SW8260	1.0	11/18/2004	2.26	12/02/2004	1.4 F	3/0	5

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CS-WB03-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/23	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/17/2019	1.39	03/17/2008	0.29 F	19/12	70
	Tetrachloroethene	SW8260	1.4	09/17/2008	**2500**	06/19/2015	**298.6**	31/0	5
	Toluene	SW8260	1.1					0/5	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/28	100
	Trichloroethene	SW8260	1.0	12/17/2019	**53.94**	07/26/2005	**7.72**	30/1	5
	Vinyl chloride	SW8260	1.1					0/26	2
	Arsenic	SW6010B	30	06/16/2016	**10.9** F	09/21/2015	0.30 F	11/11	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Cadmium	SW6010B	7.0					0/22	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	12/11/2017	18.3	09/19/2016	2.1 F	19/3	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	12/15/2016	4.0 F	12/15/2016	4.0 F	1/21	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/22	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	12/11/2017	13	10/02/2017	2.0 F	20/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/24/2012	1.9 F	07/24/2012	1.9 F	1/0	-- [6]
	Lead	SW6010B	25	06/16/2016	4.4 F	03/13/2019	2.5 F	3/19	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B/SW6020	50/25	12/06/2018	92	12/17/2019	9.0 F	6/16	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/2	7
	cis-1,2-Dichloroethene	SW8260	1.2	06/29/2005	0.20 F	06/29/2005	0.20 F	1/8	70
	Tetrachloroethene	SW8260	1.4	11/30/2004	**386**	10/04/2007	**140**	9/0	5
	Toluene	SW8260	1.1					0/7	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/9	100
	Trichloroethene	SW8260	1.0	10/04/2007	**11**	06/16/2016	4.7	9/0	5
	Vinyl chloride	SW8260	1.1					0/2	2

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CS-WB03-LGR-03									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	02/23/2005	1.87	06/12/2013	0.15 F	30/19	70
	Tetrachloroethene	SW8260	1.4	10/15/2003	**66.9**	12/17/2019	2.61	48/1	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/45	100
	Trichloroethene	SW8260	1.0	11/30/2004	**18.7**	06/29/2017	0.52 F	47/2	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/19/2015	0.90 F	06/19/2015	0.90 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/22/2013	49.6	04/22/2013	49.6	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	06/19/2015	19.3	04/22/2013	1.5 F	3/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	06/19/2015	3.0 F	07/24/2012	1.1 F	2/1	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50					0/3	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-LGR-04									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/17/2019	2.17	03/16/2006	0.20 F	7/42	70
	Tetrachloroethene	SW8260	1.4	09/10/2003	**60.2**	06/19/2015	**11.7**	49/0	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/45	100
	Trichloroethene	SW8260	1.0	12/05/2011	**12.39**	12/18/2003	2.3	49/0	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/19/2015	1.6 F	06/19/2015	1.6 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/22/2013	60.6	04/22/2013	60.6	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/22/2013	2.9 F	06/19/2015	1.7 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	04/22/2013	2.4 F	07/24/2012	1.9 F	2/1	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/24/2012	1.6 F	07/24/2012	1.6 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/22/2013	19 F	04/22/2013	19 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-LGR-05									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/17/2018	4.95	12/17/2019	3.52	2/47	70
	Tetrachloroethene	SW8260	1.4	09/10/2003	**62.1**	06/18/2015	**10.44**	49/0	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/45	100
	Trichloroethene	SW8260	1.0	10/04/2007	**9.7**	04/21/2005	1.2 F	49/0	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/18/2015	2.0 F	06/18/2015	2.0 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/22/2013	69.3	04/22/2013	69.3	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/22/2013	4.3 F	06/18/2015	1.2 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	04/22/2013	11.4	07/24/2012	8.7	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/24/2012	6.2	07/24/2012	6.2	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/22/2013	25 F	04/22/2013	25 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-LGR-06									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/19/2016	8.87	04/23/2013	0.24 F	15/34	70
	Tetrachloroethene	SW8260	1.4	09/10/2003	**78.7**	06/12/2013	1.62	41/8	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/45	100
	Trichloroethene	SW8260	1.0	09/10/2003	**9.34**	06/15/2016	0.13 F	42/7	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	06/18/2015	1.7 F	07/24/2012	1.0 F	2/1	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/23/2013	41.5	04/23/2013	41.5	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/24/2012	1.4 F	06/18/2015	1.2 F	3/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10					0/1	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	07/24/2012	1.4 F	07/24/2012	1.4 F	1/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50					0/3	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-LGR-07									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	06/12/2013	9.77	09/17/2008	0.18 F	23/27	70
	Tetrachloroethene	SW8260	1.4	10/15/2003	**72.1**	06/12/2013	0.48 F	48/2	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/46	100
	Trichloroethene	SW8260	1.0	10/04/2007	**28**	12/03/2014	0.20 F	50/0	5
	Vinyl chloride	SW8260	1.1	12/03/2014	0.45 F	12/03/2014	0.45 F	1/23	2
	Arsenic	SW6010B	30	06/18/2015	1.2 F	06/18/2015	1.2 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/23/2013	33.8	04/23/2013	33.8	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/23/2013	3.9 F	07/25/2012	1.9 F	3/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/25/2012	10.3 B	07/25/2012	10.3 B	1/0	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0	07/25/2012	0.20	07/25/2012	0.20	1/0	2
	Nickel	SW6010B	10	06/18/2015	2.0 F	04/23/2013	1.7 F	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/25/2012	1.3 F	07/25/2012	1.3 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/23/2013	32 F	04/23/2013	32 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-LGR-08									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/05/2011	8.3	12/03/2003	0.24 F	17/33	70
	Tetrachloroethene	SW8260	1.4	09/10/2003	**95.1**	06/12/2013	0.21 F	42/8	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/46	100
	Trichloroethene	SW8260	1.0	09/10/2003	**8.12**	06/15/2016	0.27 F	47/3	5
	Vinyl chloride	SW8260	1.1	09/19/2016	1.14	12/03/2014	0.33 F	7/17	2
	Arsenic	SW6010B	30	06/18/2015	1.4 F	07/25/2012	0.60 F	2/1	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/23/2013	28.3	04/23/2013	28.3	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	04/23/2013	1.9 F	07/25/2012	1.3 F	3/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/25/2012	10.1 B	07/25/2012	10.1 B	1/0	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10					0/3	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/23/2013	22 F	07/25/2012	14 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-LGR-09									
	Dichloroethene, 1,1-	SW8260	1.2					0/43	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/05/2011	45.73	12/02/2015	0.20 F	31/42	70
	Tetrachloroethene	SW8260	1.4	09/10/2003	**148**	03/24/2015	0.75 F	73/0	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/69	100
	Trichloroethene	SW8260	1.0	05/25/2005	**11.1**	03/15/2007	0.85 F	73/0	5
	Vinyl chloride	SW8260	1.1	03/17/2014	0.92 F	03/17/2014	0.92 F	1/46	2
	Arsenic	SW6010B	30	03/15/2017	**15.6** F	12/06/2018	0.30 F	15/15	10
	Arsenic-Dissolved	SW6010B-DISS	30	08/30/2012	0.70 F	08/16/2012	0.40 F	2/3	10
	Barium	SW6010B	5.0	04/23/2013	35.3	04/23/2013	35.3	1/0	2000
	Cadmium	SW6010B	7.0					0/30	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/5	5
	Chromium	SW6010B	10	09/18/2013	7.3 F	03/13/2019	1.1 F	29/1	100
	Chromium-Dissolved	SW6010B-DISS	10	08/06/2012	1.6 F	08/06/2012	1.6 F	1/4	100
	Copper	SW6010B	10	12/15/2016	4.0 F	12/15/2016	4.0 F	2/28	1300
	Copper-Dissolved	SW6010B-DISS	10	08/30/2012	3.7 F	08/06/2012	3.4 F	2/3	1300
	Mercury	SW7470A	1.0					0/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/5	2
	Nickel	SW6010B	10	09/17/2015	5.0 F	09/17/2018	2.0 F	12/18	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	23.6	08/06/2012	23.6	1/4	-- [6]
	Lead	SW6010B	25	03/13/2019	4.6 F	06/13/2018	2.7 F	4/26	15
	Lead-Dissolved	SW6010B-DISS	25	08/02/2012	2.5 F	08/02/2012	2.5 F	1/4	15
	Zinc	SW6010B	50	12/06/2018	92	09/17/2015	9.0 F	13/17	5000
	Zinc-Dissolved	SW6010B-DISS	50	03/13/2012	30.4 F	08/30/2012	8.3 F	5/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB03-UGR-01									
	Dichloroethene, 1,1-	SW8260	1.2	03/15/2017	2.86	10/04/2007	0.39 F	2/43	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/02/2015	22.09 F	08/19/2011	0.97 F	35/24	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	11/13/2014	**32349.98**	07/24/2012	**5.39**	59/0	5
	Toluene	SW8260	1.1					0/11	1000
	trans-1,2-Dichloroethene	SW8260	0.6	12/15/2016	2.51	10/04/2007	0.22 F	9/46	100
	Trichloroethene	SW8260	1.0	03/17/2008	**500**	07/24/2012	0.64 F	58/1	5
	Vinyl chloride	SW8260	1.1					0/49	2
	Arsenic	SW6010B/SW6020	30/20	03/15/2017	**17.1** F	12/17/2019	0.30 F	16/14	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/2	10
	Barium	SW6010B	5.0	04/22/2013	38.2	04/22/2013	38.2	1/0	2000
	Cadmium	SW6010B	7.0					0/30	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/2	5
	Chromium	SW6010B	10	09/17/2018	38.5	09/10/2014	1.6 F	30/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/2	100
	Copper	SW6010B	10	03/17/2014	10	03/15/2017	4.0 F	7/23	1300
	Copper-Dissolved	SW6010B-DISS	10					0/2	1300
	Mercury	SW7470A	1.0					0/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/2	2
	Nickel	SW6010B	10	06/12/2013	11.4	06/13/2018	2.0 F	20/10	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/2	-- [6]
	Lead	SW6010B	25	06/16/2016	3.9 F	06/06/2019	2.2 F	4/26	15
	Lead-Dissolved	SW6010B-DISS	25					0/2	15
	Zinc	SW6010B	50	12/06/2018	88	03/17/2014	9.0 F	7/23	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/24/2012	9.0 F	07/24/2012	9.0 F	1/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB04-BS-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/7	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/33	70
	Tetrachloroethene	SW8260	1.4	10/16/2003	1.4 F	09/06/2012	0.19 F	5/28	5
	Toluene	SW8260	1.1					0/24	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/31	100
	Trichloroethene	SW8260	1.0	10/16/2003	1.04	11/20/2003	0.30 F	4/29	5
	Vinyl chloride	SW8260	1.1					0/9	2
	Arsenic	SW6010B	30	05/18/2015	1.6 F	05/18/2015	1.6 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	3.1 F	05/18/2015	3.1 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50					0/1	5000

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CS-WB04-BS-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/7	7
	cis-1,2-Dichloroethene	SW8260	1.2	10/03/2007	0.25 F	09/06/2012	0.10 F	3/30	70
	Tetrachloroethene	SW8260	1.4	12/18/2019	2.3	09/06/2012	0.33 F	4/29	5
	Toluene	SW8260	1.1					0/24	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/31	100
	Trichloroethene	SW8260	1.0	10/16/2003	0.86 F	03/10/2009	0.18 F	5/28	5
	Vinyl chloride	SW8260	1.1					0/9	2
	Arsenic	SW6010B	30	05/18/2015	1.6 F	05/18/2015	1.6 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	2.2 F	05/18/2015	2.2 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50					0/1	5000

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CS-WB04-CC-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/7	7
	cis-1,2-Dichloroethene	SW8260	1.2	12/18/2019	1.33	04/21/2005	0.23 F	23/10	70
	Tetrachloroethene	SW8260	1.4	12/18/2019	1.89	09/06/2012	0.26 F	3/30	5
	Toluene	SW8260	1.1					0/24	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/31	100
	Trichloroethene	SW8260	1.0	12/01/2004	0.61 F	10/03/2007	0.19 F	7/26	5
	Vinyl chloride	SW8260	1.1					0/9	2
	Arsenic	SW6010B	30	05/18/2015	1.7 F	05/18/2015	1.7 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	2.3 F	05/18/2015	2.3 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50					0/1	5000

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CS-WB04-CC-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/7	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/22/2015	0.21 F	09/22/2015	0.21 F	1/32	70
	Tetrachloroethene	SW8260	1.4	12/18/2019	3.77	07/10/2017	0.24 F	7/26	5
	Toluene	SW8260	1.1					0/24	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/31	100
	Trichloroethene	SW8260	1.0	09/18/2003	0.81 F	11/20/2003	0.44 F	4/29	5
	Vinyl chloride	SW8260	1.1					0/9	2
	Arsenic	SW6010B	30	05/18/2015	1.5 F	05/18/2015	1.5 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	2.5 F	05/18/2015	2.5 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50					0/1	5000

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CS-WB04-CC-03									
	Dichloroethene, 1,1-	SW8260	1.2					0/7	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/22/2015	0.17 F	09/22/2015	0.17 F	1/32	70
	Tetrachloroethene	SW8260	1.4	12/18/2019	**9.2**	05/18/2015	0.20 F	7/26	5
	Toluene	SW8260	1.1					0/24	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/31	100
	Trichloroethene	SW8260	1.0	10/16/2003	0.52 F	03/10/2009	0.20 F	4/29	5
	Vinyl chloride	SW8260	1.1					0/9	2
	Arsenic	SW6010B	30	05/18/2015	2.0 F	05/18/2015	2.0 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	1.6 F	05/18/2015	1.6 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50					0/1	5000

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CS-WB04-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/34	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/62	70
	Tetrachloroethene	SW8260	1.4	03/24/2015	4.15	03/15/2007	0.24 F	33/29	5
	Toluene	SW8260	1.1					0/24	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/58	100
	Trichloroethene	SW8260	1.0	09/03/2009	0.20 F	09/03/2009	0.20 F	1/61	5
	Vinyl chloride	SW8260	1.1					0/38	2
	Arsenic	SW6010B/SW6020	30/20	03/22/2017	**11.8** F	12/18/2019	0.60 F	9/18	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	47.8	04/24/2013	47.8	1/0	2000
	Cadmium	SW6010B	7.0	12/08/2014	1.2 F	12/08/2014	1.2 F	1/26	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	12/13/2017	16.8	12/10/2018	1.3 F	25/2	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10	12/14/2016	5.0 F	12/14/2016	5.0 F	1/26	1300
	Copper-Dissolved	SW6010B-DISS	10	07/26/2012	7.3 B	07/26/2012	7.3 B	1/0	1300
	Mercury	SW7470A	1.0					0/27	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	12/13/2017	7.0 F	07/26/2012	1.1 F	14/13	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25	03/08/2018	5.0 F	06/10/2019	2.3 F	4/23	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	03/06/2014	58	09/17/2018	9.0 F	6/21	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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CS-WB04-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/5	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/14	70
	Tetrachloroethene	SW8260	1.4	05/19/2015	0.53 F	03/19/2008	0.25 F	4/10	5
	Toluene	SW8260	1.1					0/9	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/14	100
	Trichloroethene	SW8260	1.0					0/14	5
	Vinyl chloride	SW8260	1.1					0/5	2
	Arsenic	SW6010B	30	05/19/2015	6.3 F	05/19/2015	6.3 F	1/0	10
	Cadmium	SW6010B	7.0					0/1	5
	Chromium	SW6010B	10	05/19/2015	1.8 F	05/19/2015	1.8 F	1/0	100
	Copper	SW6010B	10					0/1	1300
	Mercury	SW7470A	1.0					0/1	2
	Nickel	SW6010B	10					0/1	-- [6]
	Lead	SW6010B	25					0/1	15
	Zinc	SW6010B	50	05/19/2015	12 F	05/19/2015	12 F	1/0	5000

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CS-WB04-LGR-03									
	Dichloroethene, 1,1-	SW8260	1.2					0/16	7
	cis-1,2-Dichloroethene	SW8260	1.2					0/42	70
	Tetrachloroethene	SW8260	1.4	09/22/2015	0.34 F	03/15/2011	0.17 F	8/34	5
	Toluene	SW8260	1.1					0/24	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/40	100
	Trichloroethene	SW8260	1.0	03/10/2010	0.18 F	03/10/2010	0.18 F	1/41	5
	Vinyl chloride	SW8260	1.1					0/18	2
	Arsenic	SW6010B	30	05/19/2015	2.3 F	05/19/2015	2.3 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	40.6	04/24/2013	40.6	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	05/19/2015	2.0 F	04/24/2013	1.2 F	3/0	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/26/2012	6.8 B	07/26/2012	6.8 B	1/0	1300
	Mercury	SW7470A	1.0	07/26/2012	0.20	07/26/2012	0.20	1/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10					0/3	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/24/2013	20 F	04/24/2013	20 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

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CS-WB04-LGR-04									
	Dichloroethene, 1,1-	SW8260	1.2					0/16	7
	cis-1,2-Dichloroethene	SW8260	1.2	07/10/2017	0.31 F	09/06/2012	0.10 F	5/38	70
	Tetrachloroethene	SW8260	1.4	09/06/2012	0.41 F	03/19/2008	0.17 F	8/35	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/41	100
	Trichloroethene	SW8260	1.0	03/15/2011	0.25 F	09/19/2003	0.13 F	8/35	5
	Vinyl chloride	SW8260	1.1					0/18	2
	Arsenic	SW6010B	30	05/19/2015	2.2 F	05/19/2015	2.2 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	70.8	04/24/2013	70.8	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	05/19/2015	4.5 F	04/24/2013	2.0 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/26/2012	7.3 B	07/26/2012	7.3 B	1/0	1300
	Mercury	SW7470A	1.0	07/26/2012	0.20	07/26/2012	0.20	1/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10					0/3	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/24/2013	26 F	05/19/2015	11 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50					0/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB04-LGR-06									
	Dichloroethene, 1,1-	SW8260	1.2					0/27	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/20/2016	5.53	04/21/2005	0.55 F	54/2	70
	Tetrachloroethene	SW8260	1.4	03/24/2015	**55.08**	09/28/2006	0.65 F	32/24	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6	09/03/2009	0.65	09/06/2012	0.20 F	23/29	100
	Trichloroethene	SW8260	1.0	09/03/2009	**20**	11/20/2003	0.70 F	56/0	5
	Vinyl chloride	SW8260	1.1					0/31	2
	Arsenic	SW6010B	30	05/18/2015	3.0 F	05/18/2015	3.0 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	32.8	04/24/2013	32.8	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	1.4 F	05/18/2015	1.4 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/26/2012	7.0 B	07/26/2012	7.0 B	1/0	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	05/18/2015	2.0 F	07/26/2012	1.5 F	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/26/2012	1.3 F	07/26/2012	1.3 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/24/2013	83	04/24/2013	83	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/26/2012	9.0 F	07/26/2012	9.0 F	1/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB04-LGR-07									
	Dichloroethene, 1,1-	SW8260	1.2					0/27	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/20/2016	40.9	07/21/2005	0.20 F	45/11	70
	Tetrachloroethene	SW8260	1.4	03/24/2015	**35.6**	03/10/2010	0.34 F	43/13	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6	09/03/2010	1.2	09/23/2013	0.18 F	20/32	100
	Trichloroethene	SW8260	1.0	12/03/2015	**20.36**	02/25/2004	0.74 F	55/1	5
	Vinyl chloride	SW8260	1.1					0/31	2
	Arsenic	SW6010B	30	05/18/2015	1.9 F	05/18/2015	1.9 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	31.9	04/24/2013	31.9	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	1.7 F	04/24/2013	1.3 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/26/2012	6.5 B	07/26/2012	6.5 B	1/0	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	05/18/2015	2.0 F	04/24/2013	1.5 F	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/26/2012	1.1 F	07/26/2012	1.1 F	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	05/18/2015	12 F	04/24/2013	11 F	2/1	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/26/2012	9.1 F	07/26/2012	9.1 F	1/0	5000

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[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

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[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB04-LGR-08									
	Dichloroethene, 1,1-	SW8260	1.2					0/20	7
	cis-1,2-Dichloroethene	SW8260	1.2	09/19/2003	1.62	03/15/2011	0.15 F	5/44	70
	Tetrachloroethene	SW8260	1.4	09/19/2003	2.21	03/10/2009	0.29 F	26/23	5
	Toluene	SW8260	1.1					0/25	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/45	100
	Trichloroethene	SW8260	1.0	09/19/2003	2.76	10/20/2005	0.60 F	42/7	5
	Vinyl chloride	SW8260	1.1					0/24	2
	Arsenic	SW6010B	30	05/18/2015	0.80 F	05/18/2015	0.80 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	31	04/24/2013	31	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	2.1 F	05/18/2015	2.1 F	1/2	100
	Chromium-Dissolved	SW6010B-DISS	10	07/26/2012	1.9 F	07/26/2012	1.9 F	1/0	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/26/2012	7.5 B	07/26/2012	7.5 B	1/0	1300
	Mercury	SW7470A	1.0	07/26/2012	0.20	07/26/2012	0.20	1/2	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10	05/18/2015	7.0 F	04/24/2013	5.0	3/0	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	07/26/2012	6.3	07/26/2012	6.3	1/0	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/24/2013	26 F	07/26/2012	12 F	3/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/26/2012	15.6 F	07/26/2012	15.6 F	1/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB04-LGR-09									
	Dichloroethene, 1,1-	SW8260	1.2					0/27	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	02/24/2005	1.65	12/03/2015	0.08 F	9/47	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	03/24/2015	**15.58**	04/24/2013	3.79	56/0	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/52	100
	Trichloroethene	SW8260	1.0	07/21/2005	**12.7**	04/24/2013	3.5	56/0	5
	Vinyl chloride	SW8260	1.1					0/31	2
	Arsenic	SW6010B	30	05/18/2015	2.0 F	05/18/2015	2.0 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	33.6	04/24/2013	33.6	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	05/18/2015	3.3 F	04/24/2013	2.1 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/25/2012	8.3 B	07/25/2012	8.3 B	1/0	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/1	2
	Nickel	SW6010B	10					0/3	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	04/24/2013	24 F	04/24/2013	24 F	1/2	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/25/2012	15.4 F	07/25/2012	15.4 F	1/0	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB04-LGR-10									
	Dichloroethene, 1,1-	SW8260	1.2					0/27	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/56	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	03/24/2015	**7.47**	03/15/2007	0.47 F	39/17	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/52	100
	Trichloroethene	SW8260	1.0	09/18/2003	1.42	05/18/2015	0.43 F	48/8	5
	Vinyl chloride	SW8260	1.1					0/31	2
	Arsenic	SW6010B	30	05/18/2015	1.7 F	05/18/2015	1.7 F	1/2	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/1	10
	Barium	SW6010B	5.0	04/24/2013	31.2	04/24/2013	31.2	1/0	2000
	Cadmium	SW6010B	7.0					0/3	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/1	5
	Chromium	SW6010B	10	07/25/2012	2.6 F	05/18/2015	2.2 F	2/1	100
	Chromium-Dissolved	SW6010B-DISS	10					0/1	100
	Copper	SW6010B	10					0/3	1300
	Copper-Dissolved	SW6010B-DISS	10	07/25/2012	9.5 B	07/25/2012	9.5 B	1/0	1300
	Mercury	SW7470A	1.0					0/3	2
	Mercury-Dissolved	SW7470A-DISS	1.0	07/25/2012	0.20	07/25/2012	0.20	1/0	2
	Nickel	SW6010B	10	07/25/2012	1.2 F	07/25/2012	1.2 F	1/2	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10					0/1	-- [6]
	Lead	SW6010B	25					0/3	15
	Lead-Dissolved	SW6010B-DISS	25					0/1	15
	Zinc	SW6010B	50	07/25/2012	30 F	05/18/2015	13 F	3/0	5000
	Zinc-Dissolved	SW6010B-DISS	50	07/25/2012	13.1 F	07/25/2012	13.1 F	1/0	5000

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CS-WB04-LGR-11									
	Dichloroethene, 1,1-	SW8260	1.2					0/44	7
	Bromodichloromethane	SW8260	0.8					0/1	80 [5]
	Bromoform	SW8260	1.2					0/1	80 [5]
	Chloroform	SW8260	0.3					0/1	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2					0/73	70
	Dibromochloromethane	SW8260	0.5					0/1	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/1	-- [6]
	Methylene chloride	SW8260	2.0					0/1	5
	Naphthalene	SW8260	1.0					0/1	-- [6]
	Tetrachloroethene	SW8260	1.4	03/24/2015	**444.82**	07/22/2013	0.12 F	32/41	5
	Toluene	SW8260	1.1					0/26	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/69	100
	Trichloroethene	SW8260	1.0	03/24/2015	2.7	12/03/2015	0.12 F	6/67	5
	Vinyl chloride	SW8260	1.1	03/06/2014	0.42 F	03/06/2014	0.42 F	1/47	2
	Arsenic	SW6010B	30	03/22/2017	**14.1** F	12/13/2017	0.30 F	12/18	10
	Arsenic-Dissolved	SW6010B-DISS	30					0/6	10
	Barium	SW6010B	5.0	04/24/2013	36	04/24/2013	36	1/0	2000
	Cadmium	SW6010B	7.0	12/08/2014	1.4 F	12/08/2014	1.4 F	1/29	5
	Cadmium-Dissolved	SW6010B-DISS	7.0					0/6	5
	Chromium	SW6010B	10	03/08/2016	7.1 F	12/08/2014	1.1 F	29/1	100
	Chromium-Dissolved	SW6010B-DISS	10	03/13/2012	1.2 F	03/13/2012	1.2 F	1/5	100
	Copper	SW6010B	10	12/14/2016	5.0 F	12/14/2016	5.0 F	1/29	1300
	Copper-Dissolved	SW6010B-DISS	10	08/06/2012	3.1 F	08/06/2012	3.1 F	1/5	1300
	Mercury	SW7470A	1.0					0/30	2
	Mercury-Dissolved	SW7470A-DISS	1.0					0/6	2
	Nickel	SW6020/SW6010B	10	12/18/2019	5.0 F	07/22/2013	1.3 F	9/21	-- [6]
	Nickel-Dissolved	SW6010B-DISS	10	08/06/2012	6.7	08/06/2012	6.7	1/5	-- [6]
	Lead	SW6010B	25	03/08/2018	5.9 F	03/14/2019	2.3 F	2/28	15
	Lead-Dissolved	SW6010B-DISS	25	08/30/2012	2.6 F	08/30/2012	2.6 F	1/5	15
	Zinc	SW6010B	50	03/06/2014	824	09/11/2019	9.0 F	21/9	5000
	Zinc-Dissolved	SW6010B-DISS	50	08/06/2012	29.9 F	08/16/2012	11 F	5/1	5000

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB04-UGR-01									
	cis-1,2-Dichloroethene	SW8260	1.2					0/1	70
	Tetrachloroethene	SW8260	1.4	11/18/2004	**9.51**	11/18/2004	**9.51**	1/0	5
	Toluene	SW8260	1.1					0/1	1000
	trans-1,2-Dichloroethene	SW8260	0.6					0/1	100
	Trichloroethene	SW8260	1.0					0/1	5

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB05-BS-01									
	Dichloroethene, 1,1-	SW8260	1.2	10/26/2009	0.52 B	10/26/2009	0.52 B	1/37	7
	Bromodichloromethane	SW8260	0.8					0/38	80 [5]
	Bromoform	SW8260	1.2					0/38	80 [5]
	Chloroform	SW8260	0.3					0/38	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	11/21/2005	**355**	04/04/2013	15.16	38/0	70
	Dibromochloromethane	SW8260	0.5					0/38	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/38	-- [6]
	Methylene chloride	SW8260	2.0	11/21/2005	**24.8**	11/21/2005	**24.8**	1/37	5
	Naphthalene	SW8260	1.0					0/38	-- [6]
	Tetrachloroethene	SW8260	1.4	11/21/2005	**179**	01/22/2008	0.17 F	17/21	5
	Toluene	SW8260	1.1					0/38	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/28/2009	7.3	06/14/2018	0.19 F	22/16	100
	Trichloroethene	SW8260	1.0	11/21/2005	**249**	10/14/2015	0.18 F	28/10	5
	Vinyl chloride	SW8260	1.1	10/26/2011	**11.87**	01/21/2010	0.84 F	22/16	2
	Arsenic	SW6010B	30	01/30/2006	**14.7** F	12/22/2016	0.30 F	18/17	10
	Barium	SW6010B	5.0	01/30/2006	31.1	01/22/2009	20	17/0	2000
	Cadmium	SW6010B	7.0	04/29/2009	0.97 F	04/29/2009	0.97 F	1/16	5
	Chromium	SW6010B	10	07/16/2007	6.3	10/25/2010	1.1 F	13/4	100
	Copper	SW6010B	10	07/22/2010	4.2 F	07/22/2010	4.2 F	1/16	1300
	Mercury	SW7470A	1.0	04/29/2009	0.18 B	07/21/2008	0.06 F	7/9	2
	Nickel	SW6010B	10	07/16/2007	3.9 F	10/26/2009	0.54 F	7/10	-- [6]
	Lead	SW6010B	25	07/21/2008	3.6 F	07/21/2008	3.6 F	1/16	15
	Zinc	SW6010B	50	10/25/2010	93	04/21/2010	2.9 F	16/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB05-CC-01									
	Dichloroethene, 1,1-	SW8260	1.2	10/23/2007	0.52 F	07/16/2007	0.38 F	3/35	7
	Bromodichloromethane	SW8260	0.8					0/38	80 [5]
	Bromoform	SW8260	1.2					0/38	80 [5]
	Chloroform	SW8260	0.3					0/38	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	11/21/2005	**507**	06/14/2018	0.42 F	36/2	70
	Dibromochloromethane	SW8260	0.5					0/38	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/38	-- [6]
	Methylene chloride	SW8260	2.0	11/21/2005	**33.4**	11/21/2005	**33.4**	1/37	5
	Naphthalene	SW8260	1.0	10/10/2006	**10.1** F	10/10/2006	**10.1** F	1/37	-- [6]
	Tetrachloroethene	SW8260	1.4	11/21/2005	**345**	07/25/2011	0.25 F	27/11	5
	Toluene	SW8260	1.1	10/23/2007	0.18 F	10/23/2007	0.18 F	1/37	1000
	trans-1,2-Dichloroethene	SW8260	0.6	10/23/2007	5.7	07/21/2008	0.25 F	27/11	100
	Trichloroethene	SW8260	1.0	11/21/2005	**347**	10/14/2015	0.31 F	32/6	5
	Vinyl chloride	SW8260	1.1	07/21/2010	0.74 F	07/21/2010	0.74 F	1/37	2
	Arsenic	SW6010B	30	07/16/2007	**12.1**	03/18/2019	0.30 F	19/16	10
	Barium	SW6010B	5.0	07/21/2008	150	07/27/2009	19.9	17/0	2000
	Cadmium	SW6010B	7.0					0/17	5
	Chromium	SW6010B	10	10/10/2006	35.3	07/21/2010	1.6 F	13/4	100
	Copper	SW6010B	10	10/24/2008	1.8 F	04/28/2008	1.1 F	4/13	1300
	Mercury	SW7470A	1.0	01/30/2006	0.3398	01/21/2010	0.076 F	7/9	2
	Nickel	SW6010B	10	10/10/2006	26	07/21/2010	0.48 F	17/0	-- [6]
	Lead	SW6010B	25	07/21/2008	2.7 F	07/21/2008	2.7 F	1/16	15
	Zinc	SW6010B	50	01/22/2008	1390	04/28/2008	7.8 F	16/1	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB05-CC-02									
	Dichloroethene, 1,1-	SW8260	1.2	04/28/2008	1.3	10/25/2010	0.19 F	10/28	7
	Bromodichloromethane	SW8260	0.8					0/38	80 [5]
	Bromoform	SW8260	1.2					0/38	80 [5]
	Chloroform	SW8260	0.3					0/38	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	11/21/2005	**475**	09/12/2017	7.12	38/0	70
	Dibromochloromethane	SW8260	0.5					0/38	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/38	-- [6]
	Methylene chloride	SW8260	2.0	11/21/2005	**44.5**	11/21/2005	**44.5**	1/37	5
	Naphthalene	SW8260	1.0	10/10/2006	**8.31** F	04/04/2016	**1.26**	2/36	-- [6]
	Tetrachloroethene	SW8260	1.4	11/21/2005	**299**	01/22/2008	0.20 F	25/13	5
	Toluene	SW8260	1.1	04/28/2008	0.19 F	04/25/2011	0.11 F	2/36	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/04/2013	9.93	01/24/2011	0.89	35/3	100
	Trichloroethene	SW8260	1.0	10/23/2007	**420**	04/04/2016	0.35 F	34/4	5
	Vinyl chloride	SW8260	1.1	01/21/2010	**10**	04/25/2011	0.28 F	12/26	2
	Arsenic	SW6010B	30	01/27/2006	**12.8** F	04/04/2013	0.30 F	22/13	10
	Barium	SW6010B	5.0	10/25/2010	24.9	10/10/2006	15.9	17/0	2000
	Cadmium	SW6010B	7.0					0/17	5
	Chromium	SW6010B	10	04/28/2009	7.8	10/10/2006	1.11 F	9/8	100
	Copper	SW6010B	10	10/24/2008	2.0 F	07/21/2008	1.0 F	2/15	1300
	Mercury	SW7470A	1.0	07/21/2008	0.17 F	10/25/2010	0.05 F	6/10	2
	Nickel	SW6010B	10	01/27/2006	3.83 F	07/27/2009	0.59 F	9/8	-- [6]
	Lead	SW6010B	25	07/21/2008	1.9 F	01/22/2009	1.8 F	2/15	15
	Zinc	SW6010B	50	10/25/2010	108	01/22/2008	6.3 F	15/2	5000

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CS-WB05-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/32	7
	Bromodichloromethane	SW8260	0.8					0/32	80 [5]
	Bromoform	SW8260	1.2					0/32	80 [5]
	Chloroform	SW8260	0.3					0/32	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/19/2019	5.58	07/17/2007	0.64 F	31/1	70
	Dibromochloromethane	SW8260	0.5					0/32	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/32	-- [6]
	Methylene chloride	SW8260	2.0	01/26/2009	0.73 F	01/26/2009	0.73 F	1/31	5
	Naphthalene	SW8260	1.0					0/32	-- [6]
	Tetrachloroethene	SW8260	1.4	10/24/2007	3.2	04/19/2012	0.15 F	19/13	5
	Toluene	SW8260	1.1	07/29/2009	0.18 F	07/29/2009	0.18 F	2/30	1000
	trans-1,2-Dichloroethene	SW8260	0.6	03/20/2019	1.58	04/26/2011	0.29 F	21/11	100
	Trichloroethene	SW8260	1.0	04/29/2009	2.4	04/06/2016	0.43 F	30/2	5
	Vinyl chloride	SW8260	1.1	06/18/2018	1.54	10/29/2013	0.42 F	4/28	2
	Arsenic	SW6010B	30	10/24/2007	**12.8**	12/28/2016	0.40 F	18/14	10
	Barium	SW6010B	5.0	10/24/2007	42.7	04/28/2008	21.7	14/0	2000
	Cadmium	SW6010B	7.0					0/14	5
	Chromium	SW6010B	10	04/29/2009	26.8	01/26/2009	1.4 F	11/3	100
	Copper	SW6010B	10					0/14	1300
	Mercury	SW7470A	1.0	04/29/2009	0.18 B	10/26/2010	0.05 F	7/7	2
	Nickel	SW6010B	10	04/29/2009	22.8	10/26/2010	2.4 F	14/0	-- [6]
	Lead	SW6010B	25	07/22/2008	3.4 F	01/26/2009	2.4 F	2/12	15
	Zinc	SW6010B	50	07/26/2010	41.1 F	04/28/2008	4.7 F	14/0	5000

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CS-WB05-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/10	7
	Bromodichloromethane	SW8260	0.8					0/10	80 [5]
	Bromoform	SW8260	1.2					0/10	80 [5]
	Chloroform	SW8260	0.3					0/10	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/26/2010	52.55	07/17/2007	5.6	10/0	70
	Dibromochloromethane	SW8260	0.5					0/10	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/10	-- [6]
	Methylene chloride	SW8260	2.0					0/10	5
	Naphthalene	SW8260	1.0					0/10	-- [6]
	Tetrachloroethene	SW8260	1.4	12/28/2016	**5.46**	07/17/2007	0.41 F	2/8	5
	Toluene	SW8260	1.1					0/10	1000
	trans-1,2-Dichloroethene	SW8260	0.6	03/20/2019	9.15	07/17/2007	0.25 F	9/1	100
	Trichloroethene	SW8260	1.0	10/26/2010	**10.65**	01/20/2010	0.35 F	9/1	5
	Vinyl chloride	SW8260	1.1	03/20/2019	**2.88**	03/20/2019	**2.88**	1/9	2
	Arsenic	SW6010B	30	11/02/2009	**25.4**	12/28/2016	0.40 F	6/4	10
	Barium	SW6010B	5.0	04/22/2010	50.3	11/02/2009	34.2	8/0	2000
	Cadmium	SW6010B	7.0					0/8	5
	Chromium	SW6010B	10	01/24/2008	7.2	10/24/2007	1.6 F	6/2	100
	Copper	SW6010B	10	07/17/2007	39.7	07/17/2007	39.7	1/7	1300
	Mercury	SW7470A	1.0	07/17/2007	0.13 F	11/02/2009	0.065 B	5/3	2
	Nickel	SW6010B	10	07/17/2007	17.1	11/02/2009	1.9 F	8/0	-- [6]
	Lead	SW6010B	25					0/8	15
	Zinc	SW6010B	50	01/20/2010	47.2 F	11/02/2009	3.8 F	7/1	5000

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CS-WB05-LGR03A									
	Dichloroethene, 1,1-	SW8260	1.2					0/14	7
	Bromodichloromethane	SW8260	0.8					0/14	80 [5]
	Bromoform	SW8260	1.2					0/14	80 [5]
	Chloroform	SW8260	0.3					0/14	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/26/2010	**130**	01/23/2008	34	14/0	70
	Dibromochloromethane	SW8260	0.5					0/14	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/14	-- [6]
	Methylene chloride	SW8260	2.0					0/14	5
	Naphthalene	SW8260	1.0					0/14	-- [6]
	Tetrachloroethene	SW8260	1.4	07/17/2007	**40**	07/26/2010	0.16 F	13/1	5
	Toluene	SW8260	1.1					0/14	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/26/2010	18	01/23/2008	0.97	13/1	100
	Trichloroethene	SW8260	1.0	10/24/2007	**98**	01/25/2011	1.64	14/0	5
	Vinyl chloride	SW8260	1.1	04/18/2012	**23.3**	07/26/2010	1.3	7/7	2
	Arsenic	SW6010B	30	04/29/2008	**13.1**	12/27/2016	0.80 F	9/5	10
	Barium	SW6010B	5.0	01/20/2010	34.5	10/24/2007	27.8	9/0	2000
	Cadmium	SW6010B	7.0					0/9	5
	Chromium	SW6010B	10	01/23/2008	11.3	07/26/2010	1.6 F	4/5	100
	Copper	SW6010B	10	07/17/2007	1.0 F	07/17/2007	1.0 F	1/8	1300
	Mercury	SW7470A	1.0	07/17/2007	0.16 F	01/20/2010	0.06 F	4/5	2
	Nickel	SW6010B	10	01/23/2008	14.2	04/22/2010	2.7 F	9/0	-- [6]
	Lead	SW6010B	25					0/9	15
	Zinc	SW6010B	50	07/26/2010	74.3	04/22/2010	4.8 F	9/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB05-LGR03B									
	Dichloroethene, 1,1-	SW8260	1.2					0/71	7
	Bromodichloromethane	SW8260	0.8					0/71	80 [5]
	Bromoform	SW8260	1.2					0/71	80 [5]
	Chloroform	SW8260	0.3	01/19/2012	0.11 F	01/19/2012	0.11 F	1/70	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	08/16/2010	**270**	10/12/2006	31.9	71/0	70
	Dibromochloromethane	SW8260	0.5					0/71	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/71	-- [6]
	Methylene chloride	SW8260	2.0	08/09/2006	2.63	08/09/2006	2.63	1/70	5
	Naphthalene	SW8260	1.0	05/04/2006	2.2	10/26/2009	0.52	2/69	-- [6]
	Tetrachloroethene	SW8260	1.4	09/12/2019	**413.91** J	10/15/2008	0.19 F	43/28	5
	Toluene	SW8260	1.1	07/20/2009	0.20 F	12/18/2008	0.18 F	2/69	1000
	trans-1,2-Dichloroethene	SW8260	0.6	05/17/2011	40.6	10/12/2006	0.847 F	68/3	100
	Trichloroethene	SW8260	1.0	12/17/2007	**98**	03/18/2009	0.18 F	68/3	5
	Vinyl chloride	SW8260	1.1	01/19/2012	**25.3**	01/20/2010	0.24 F	32/39	2
	Arsenic	SW6010B	30	01/31/2006	**25.8** F	03/08/2017	0.60 F	41/26	10
	Barium	SW6010B	5.0	06/15/2009	37.5	11/17/2008	25.3	46/0	2000
	Cadmium	SW6010B	7.0					0/46	5
	Chromium	SW6010B	10	06/05/2006	29	02/22/2010	1.4 F	34/12	100
	Copper	SW6010B	10	11/16/2009	48.6 B	07/17/2007	1.1 F	18/28	1300
	Mercury	SW7470A	1.0	06/17/2008	0.55	11/17/2010	0.05 F	21/24	2
	Nickel	SW6010B	10	01/31/2006	19.8	07/19/2010	1.2 F	45/1	-- [6]
	Lead	SW6010B	25	11/17/2010	6.9	06/05/2006	1.24 F	10/36	15
	Zinc	SW6010B	50	01/31/2006	123	10/18/2010	9.0 F	39/7	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB05-LGR-04A									
	Dichloroethene, 1,1-	SW8260	1.2	07/28/2009	0.58 F	10/29/2013	0.17 F	6/32	7
	Bromodichloromethane	SW8260	0.8					0/38	80 [5]
	Bromoform	SW8260	1.2					0/38	80 [5]
	Chloroform	SW8260	0.3	04/28/2008	0.18 F	04/28/2008	0.18 F	1/37	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/22/2010	**570**	05/04/2006	17.6	38/0	70
	Dibromochloromethane	SW8260	0.5					0/38	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/38	-- [6]
	Methylene chloride	SW8260	2.0	11/21/2005	**20**	05/04/2006	0.654 F	2/36	5
	Naphthalene	SW8260	1.0	10/11/2006	**0.765** F	10/11/2006	0.765 F	1/37	-- [6]
	Tetrachloroethene	SW8260	1.4	01/20/2010	**90**	01/04/2007	0.24 F	31/7	5
	Toluene	SW8260	1.1	07/28/2009	0.26 F	01/23/2008	0.19 F	3/35	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/28/2009	80	10/11/2006	0.294 F	33/5	100
	Trichloroethene	SW8260	1.0	04/22/2010	**250**	10/24/2014	0.34 F	38/0	5
	Vinyl chloride	SW8260	1.1	04/22/2014	**93.27**	04/28/2008	0.40 F	26/12	2
	Arsenic	SW6010B	30	01/30/2006	**45.9**	04/26/2011	0.80 F	23/12	10
	Barium	SW6010B	5.0	10/23/2008	38.8	10/11/2006	26.4	18/0	2000
	Cadmium	SW6010B	7.0					0/18	5
	Chromium	SW6010B	10	07/28/2009	27	07/17/2007	2.1 F	10/8	100
	Copper	SW6010B	10	05/04/2006	5.6 F	04/28/2008	1.2 F	5/13	1300
	Mercury	SW7470A	1.0	04/29/2009	0.18 B	10/26/2010	0.06 F	7/10	2
	Nickel	SW6010B	10	04/29/2009	17.6	01/20/2010	1.2 F	14/4	-- [6]
	Lead	SW6010B	25	01/26/2009	2.9 F	08/09/2006	1.22 F	3/15	15
	Zinc	SW6010B	50	06/05/2006	73.2	01/30/2006	1.26 F	17/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB05-LGR-04B									
	Dichloroethene, 1,1-	SW8260	1.2	10/26/2009	1.6 B	10/29/2013	0.22 F	12/28	7
	Bromodichloromethane	SW8260	0.8					0/40	80 [5]
	Bromoform	SW8260	1.2					0/40	80 [5]
	Chloroform	SW8260	0.3	07/16/2007	0.37	04/04/2013	0.07 F	8/32	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/26/2009	**860**	10/22/2012	16.17	40/0	70
	Dibromochloromethane	SW8260	0.5					0/40	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/40	-- [6]
	Methylene chloride	SW8260	2.0	05/05/2006	**40.1**	04/29/2009	1.3 B	4/36	5
	Naphthalene	SW8260	1.0					0/40	-- [6]
	Tetrachloroethene	SW8260	1.4	01/30/2006	**586**	10/22/2012	0.35 F	40/0	5
	Toluene	SW8260	1.1					0/40	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/28/2009	61	07/16/2007	0.63	31/9	100
	Trichloroethene	SW8260	1.0	01/30/2006	**562**	10/22/2012	2.95	40/0	5
	Vinyl chloride	SW8260	1.1	07/22/2010	**300**	01/21/2010	0.95 F	30/10	2
	Arsenic	SW6010B	30	10/26/2009	**60.1**	04/22/2014	1.5 F	30/7	10
	Barium	SW6010B	5.0	01/23/2008	40.7	10/26/2010	19.4	19/0	2000
	Cadmium	SW6010B	7.0	07/22/2008	1.0 F	07/22/2008	1.0 F	1/18	5
	Chromium	SW6010B	10	04/29/2009	6.2	10/23/2008	1.6 F	12/7	100
	Copper	SW6010B	10	07/22/2010	2.2 F	04/28/2008	1.6 F	2/17	1300
	Mercury	SW7470A	1.0	04/29/2009	0.24 B	05/05/2006	0.0504 F	9/9	2
	Nickel	SW6010B	10	07/22/2010	90	01/30/2006	0.58 F	18/1	-- [6]
	Lead	SW6010B	25	01/26/2009	2.9 F	01/26/2009	2.9 F	1/18	15
	Zinc	SW6010B	50	07/22/2010	43.3 F	04/28/2008	3.9 F	17/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB06-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/35	7
	Bromodichloromethane	SW8260	0.8					0/35	80 [5]
	Bromoform	SW8260	1.2					0/35	80 [5]
	Chloroform	SW8260	0.3	07/22/2009	0.09 F	10/15/2009	0.085 F	2/33	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/25/2007	**87**	12/23/2019	3.5	35/0	70
	Dibromochloromethane	SW8260	0.5					0/35	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/35	-- [6]
	Methylene chloride	SW8260	2.0					0/35	5
	Naphthalene	SW8260	1.0					0/35	-- [6]
	Tetrachloroethene	SW8260	1.4	07/22/2009	**49**	06/20/2018	1.08 F	35/0	5
	Toluene	SW8260	1.1	07/30/2008	0.17 F	07/30/2008	0.17 F	1/34	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/25/2007	4.0	09/07/2017	0.20 F	26/9	100
	Trichloroethene	SW8260	1.0	01/10/2007	**44**	06/20/2018	3.55	34/1	5
	Vinyl chloride	SW8260	1.1	10/21/2008	**9.7**	03/22/2019	0.24 F	10/25	2
	Arsenic	SW6010B/SW6020	30/20	12/20/2016	**21.1** F	12/23/2019	0.60 F	12/21	10
	Barium	SW6010B	5.0	07/25/2007	92.3	10/17/2007	35.1	15/0	2000
	Cadmium	SW6010B	7.0					0/15	5
	Chromium	SW6010B	10	10/21/2008	23.6	10/05/2009	2.0 F	14/1	100
	Copper	SW6010B	10	07/28/2010	15.7 B	10/15/2009	1.3 F	3/12	1300
	Mercury	SW7470A	1.0	10/21/2008	0.25 B	04/29/2010	0.061 F	6/9	2
	Nickel	SW6010B	10	10/21/2008	14.9	01/27/2010	0.58 F	15/0	-- [6]
	Lead	SW6010B	25	04/23/2009	3.5 F	01/29/2008	1.9 F	3/12	15
	Zinc	SW6010B	50	07/28/2010	75.9	07/30/2008	5.2 F	12/3	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB06-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/36	7
	Bromodichloromethane	SW8260	0.8					0/36	80 [5]
	Bromoform	SW8260	1.2					0/36	80 [5]
	Chloroform	SW8260	0.3					0/36	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	10/05/2009	49	01/05/2007	8.6	35/1	70
	Dibromochloromethane	SW8260	0.5					0/36	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/36	-- [6]
	Methylene chloride	SW8260	2.0					0/36	5
	Naphthalene	SW8260	1.0					0/36	-- [6]
	Tetrachloroethene	SW8260	1.4	04/23/2009	**13**	01/29/2008	0.25 F	32/4	5
	Toluene	SW8260	1.1	07/28/2008	0.17 F	04/28/2011	0.08 F	2/34	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/22/2009	4.0	09/07/2017	0.23 F	29/7	100
	Trichloroethene	SW8260	1.0	10/05/2009	**16**	09/07/2017	0.62 F	34/2	5
	Vinyl chloride	SW8260	1.1	12/23/2019	**2.04**	01/26/2011	0.27 F	14/22	2
	Arsenic	SW6010B	30	01/26/2006	**39.1**	04/11/2016	0.50 F	14/20	10
	Barium	SW6010B	5.0	04/29/2010	87.7	01/26/2006	37	16/0	2000
	Cadmium	SW6010B	7.0					0/16	5
	Chromium	SW6010B	10	07/28/2008	12.7	04/29/2010	1.4 F	13/3	100
	Copper	SW6010B	10	04/29/2010	4.0 B	10/15/2009	1.8 F	2/14	1300
	Mercury	SW7470A	1.0	10/21/2008	0.29 B	01/29/2009	0.09 F	5/11	2
	Nickel	SW6010B	10	01/26/2006	16.3	07/28/2010	0.66 F	16/0	-- [6]
	Lead	SW6010B	25	04/24/2008	3.1 F	07/28/2008	2.1 F	4/12	15
	Zinc	SW6010B	50	04/23/2009	64.1	01/29/2008	4.3 F	15/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB06-LGR03A									
	Dichloroethene, 1,1-	SW8260	1.2	01/26/2011	0.55 F	04/28/2011	0.18 F	6/29	7
	Bromodichloromethane	SW8260	0.8					0/35	80 [5]
	Bromoform	SW8260	1.2					0/35	80 [5]
	Chloroform	SW8260	0.3	10/22/2009	0.12 F	01/29/2009	0.071 F	3/32	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/22/2009	**300**	12/23/2019	**96.49**	35/0	70
	Dibromochloromethane	SW8260	0.5					0/35	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/35	-- [6]
	Methylene chloride	SW8260	2.0					0/35	5
	Naphthalene	SW8260	1.0					0/35	-- [6]
	Tetrachloroethene	SW8260	1.4	07/22/2009	**190**	12/23/2019	**5.28**	35/0	5
	Toluene	SW8260	1.1	04/24/2008	0.26 F	04/28/2011	0.07 F	4/31	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/22/2009	20	04/29/2010	0.38 F	30/5	100
	Trichloroethene	SW8260	1.0	10/22/2009	**200**	04/21/2015	**47.3**	35/0	5
	Vinyl chloride	SW8260	1.1	03/22/2019	0.26 F	03/22/2019	0.26 F	2/33	2
	Arsenic	SW6010B	30	04/24/2008	**18.9**	04/15/2014	0.40 F	18/15	10
	Barium	SW6010B	5.0	04/29/2010	30.9	01/27/2010	24.4	14/1	2000
	Cadmium	SW6010B	7.0	07/28/2010	0.53 F	07/28/2010	0.53 F	1/14	5
	Chromium	SW6010B	10	10/21/2008	10.9	10/22/2009	1.7 F	12/3	100
	Copper	SW6010B	10	04/29/2010	4.3 B	10/05/2009	1.3 F	3/12	1300
	Mercury	SW7470A	1.0	10/21/2008	0.30 B	01/29/2009	0.062 F	6/9	2
	Nickel	SW6010B	10	10/21/2008	8.9	01/27/2010	2.0 F	14/1	-- [6]
	Lead	SW6010B	25	07/28/2008	7.2	04/22/2009	1.8 F	3/12	15
	Zinc	SW6010B	50	04/22/2009	68.8	07/22/2009	7.5 F	14/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB06-LGR03B									
	Dichloroethene, 1,1-	SW8260	1.2	04/15/2014	0.42 F	09/19/2016	0.18 F	13/61	7
	Bromodichloromethane	SW8260	0.8					0/74	80 [5]
	Bromoform	SW8260	1.2					0/74	80 [5]
	Chloroform	SW8260	0.3	01/19/2012	0.15 F	06/18/2007	0.094 F	10/64	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	11/26/2007	**340**	09/23/2019	63.86	74/0	70
	Dibromochloromethane	SW8260	0.5					0/74	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/74	-- [6]
	Methylene chloride	SW8260	2.0					0/74	5
	Naphthalene	SW8260	1.0					0/74	-- [6]
	Tetrachloroethene	SW8260	1.4	11/26/2007	**320**	09/07/2017	**6.59**	73/1	5
	Toluene	SW8260	1.1	05/19/2008	0.29 F	01/18/2011	0.11 F	11/63	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/20/2009	26	09/23/2008	0.25 F	69/5	100
	Trichloroethene	SW8260	1.0	11/26/2007	**370**	09/23/2019	**27.6**	74/0	5
	Vinyl chloride	SW8260	1.1	10/16/2007	0.41 F	04/21/2008	0.23 F	6/68	2
	Arsenic	SW6010B	30	01/26/2006	**28.1** F	10/23/2013	0.30 F	27/19	10
	Barium	SW6010B	5.0	11/17/2010	43.4	01/27/2010	23.9	19/0	2000
	Cadmium	SW6010B	7.0	08/16/2010	0.59 F	07/20/2009	0.52 F	2/17	5
	Chromium	SW6010B	10	10/15/2008	9.4	09/20/2010	1.3 F	12/7	100
	Copper	SW6010B	10	08/16/2010	13.4	01/21/2008	1.7 F	5/14	1300
	Mercury	SW7470A	1.0	01/27/2010	0.19 F	09/20/2010	0.05 F	12/7	2
	Nickel	SW6010B	10	01/26/2006	10.8	07/19/2010	1.9 F	19/0	-- [6]
	Lead	SW6010B	25	11/17/2010	6.3	04/20/2009	1.6 F	6/13	15
	Zinc	SW6010B	50	07/20/2009	162	10/15/2008	3.2 F	18/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB06-LGR-04									
	Dichloroethene, 1,1-	SW8260	1.2	07/21/2009	1.0 F	04/08/2013	0.16 F	16/20	7
	Bromodichloromethane	SW8260	0.8					0/36	80 [5]
	Bromoform	SW8260	1.2					0/36	80 [5]
	Chloroform	SW8260	0.3	01/04/2007	0.29 F	10/23/2013	0.08 F	18/18	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/29/2008	**460**	12/23/2019	51.16	36/0	70
	Dibromochloromethane	SW8260	0.5					0/36	80 [5]
	Dichlorodifluoromethane	SW8260	1.0	04/28/2011	**0.22** F	04/28/2011	0.22 F	1/35	-- [6]
	Methylene chloride	SW8260	2.0					0/36	5
	Naphthalene	SW8260	1.0					0/36	-- [6]
	Tetrachloroethene	SW8260	1.4	01/29/2008	**370**	12/23/2019	**22.26**	36/0	5
	Toluene	SW8260	1.1	04/23/2012	0.27 F	04/23/2012	0.27 F	1/35	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/21/2009	37	10/27/2014	0.74	30/6	100
	Trichloroethene	SW8260	1.0	01/29/2008	**280**	12/23/2019	**17.33**	36/0	5
	Vinyl chloride	SW8260	1.1	04/21/2015	**3.7**	10/23/2013	0.26 F	8/28	2
	Arsenic	SW6010B	30	12/19/2016	**11.1** F	04/11/2016	0.30 F	13/21	10
	Barium	SW6010B	5.0	07/21/2009	34.6	01/27/2010	26.2	16/0	2000
	Cadmium	SW6010B	7.0	07/28/2010	1.1 F	07/28/2010	1.1 F	1/15	5
	Chromium	SW6010B	10	10/21/2008	11.5	04/24/2008	2.0 F	9/7	100
	Copper	SW6010B	10	04/29/2010	4.0 B	07/28/2008	1.4 F	2/14	1300
	Mercury	SW7470A	1.0	10/21/2008	0.28 B	04/29/2010	0.06 F	8/8	2
	Nickel	SW6010B	10	10/21/2008	7.1	01/27/2010	0.58 F	13/3	-- [6]
	Lead	SW6010B	25	01/27/2010	5.2	01/29/2008	1.9 F	3/13	15
	Zinc	SW6010B	50	04/22/2009	58.2	07/28/2008	4.1 F	14/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB06-UGR-01									
	Dichloroethene, 1,1-	SW8260	1.2	10/05/2009	0.60 F	04/09/2013	0.28 F	2/31	7
	Bromodichloromethane	SW8260	0.8					0/33	80 [5]
	Bromoform	SW8260	1.2					0/33	80 [5]
	Chloroform	SW8260	0.3					0/33	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/28/2010	**290**	09/07/2017	0.84 F	33/0	70
	Dibromochloromethane	SW8260	0.5					0/33	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/33	-- [6]
	Methylene chloride	SW8260	2.0					0/33	5
	Naphthalene	SW8260	1.0					0/33	-- [6]
	Tetrachloroethene	SW8260	1.4	10/05/2009	**190**	04/16/2014	0.25 F	27/6	5
	Toluene	SW8260	1.1	10/17/2007	0.26 F	10/17/2007	0.26 F	1/32	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/30/2008	15	01/27/2010	0.19 F	28/5	100
	Trichloroethene	SW8260	1.0	11/01/2011	**67.79**	09/07/2017	0.21 F	30/3	5
	Vinyl chloride	SW8260	1.1	07/30/2008	**53** F	10/29/2010	0.24 F	25/8	2
	Arsenic	SW6010B	30	04/09/2013	**63.7**	11/01/2011	0.50 F	17/16	10
	Barium	SW6010B	5.0	10/21/2008	85.4	07/25/2007	35.1	15/0	2000
	Cadmium	SW6010B	7.0	07/30/2008	1.8 F	07/30/2008	1.8 F	1/14	5
	Chromium	SW6010B	10	01/29/2008	11	04/24/2008	2.2 F	14/1	100
	Copper	SW6010B	10	07/28/2010	13.7 B	01/29/2008	1.2 F	3/12	1300
	Mercury	SW7470A	1.0	10/21/2008	0.24 B	10/17/2007	0.066 F	7/8	2
	Nickel	SW6010B	10	10/21/2008	29.3	01/27/2010	3.6 F	15/0	-- [6]
	Lead	SW6010B	25	01/27/2010	4.0 F	10/05/2009	1.6 F	3/12	15
	Zinc	SW6010B	50	10/17/2007	58.9	01/27/2010	5.5 F	12/3	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB07-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2	04/21/2015	0.48 F	04/21/2015	0.48 F	1/32	7
	Bromodichloromethane	SW8260	0.8					0/33	80 [5]
	Bromoform	SW8260	1.2					0/33	80 [5]
	Chloroform	SW8260	0.3					0/33	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/21/2015	**224.61**	07/19/2007	0.19 F	30/3	70
	Dibromochloromethane	SW8260	0.5					0/33	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/33	-- [6]
	Methylene chloride	SW8260	2.0	01/27/2009	0.62 F	01/27/2009	0.62 F	1/32	5
	Naphthalene	SW8260	1.0					0/33	-- [6]
	Tetrachloroethene	SW8260	1.4	01/28/2008	1.5	10/14/2009	0.22 F	19/14	5
	Toluene	SW8260	1.1	12/23/2019	10.24	12/23/2019	10.24	1/32	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/21/2015	17.74	01/27/2009	0.22 F	23/10	100
	Trichloroethene	SW8260	1.0	04/23/2012	**27.36**	12/23/2019	0.26 F	31/2	5
	Vinyl chloride	SW8260	1.1	04/21/2015	**73.74**	10/14/2009	**2.3**	17/16	2
	Arsenic	SW6010B	30	03/21/2019	**14.4** F	04/14/2014	0.60 F	19/12	10
	Barium	SW6010B	5.0	10/27/2010	116.1	10/18/2007	58.5	14/0	2000
	Cadmium	SW6010B	7.0					0/14	5
	Chromium	SW6010B	10	07/29/2010	24	04/28/2010	1.4 F	11/3	100
	Copper	SW6010B	10	04/28/2010	4.0 B	04/30/2008	1.1 F	3/11	1300
	Mercury	SW7470A	1.0	10/22/2008	0.27 B	10/27/2010	0.05 F	7/7	2
	Nickel	SW6010B	10	07/29/2010	17.4	01/25/2010	3.3 F	14/0	-- [6]
	Lead	SW6010B	25					0/14	15
	Zinc	SW6010B	50	07/29/2010	30.5 F	04/28/2009	2.4 F	13/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB07-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/34	7
	Bromodichloromethane	SW8260	0.8					0/34	80 [5]
	Bromoform	SW8260	1.2					0/34	80 [5]
	Chloroform	SW8260	0.3					0/34	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	04/23/2012	**159.25**	01/25/2010	0.18 F	27/7	70
	Dibromochloromethane	SW8260	0.5					0/34	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/34	-- [6]
	Methylene chloride	SW8260	2.0	01/27/2009	0.58 F	01/27/2009	0.58 F	1/33	5
	Naphthalene	SW8260	1.0					0/34	-- [6]
	Tetrachloroethene	SW8260	1.4	01/08/2007	4.3	01/25/2010	0.21 F	22/12	5
	Toluene	SW8260	1.1					0/34	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/23/2012	5.05	01/25/2006	0.11 F	9/25	100
	Trichloroethene	SW8260	1.0	04/23/2012	**15.53**	07/31/2008	0.16 F	26/8	5
	Vinyl chloride	SW8260	1.1	04/23/2012	**47.77**	04/03/2013	0.68 F	11/23	2
	Arsenic	SW6010B	30	04/30/2008	9.8	11/02/2011	0.40 F	13/19	10
	Barium	SW6010B	5.0	04/30/2008	105	01/25/2006	54.7	15/0	2000
	Cadmium	SW6010B	7.0					0/15	5
	Chromium	SW6010B	10	10/22/2008	20.1	10/14/2009	1.7 F	12/3	100
	Copper	SW6010B	10	04/28/2010	6.2 B	01/25/2010	1.5 F	2/13	1300
	Mercury	SW7470A	1.0	10/22/2008	0.26 B	10/27/2010	0.06 F	7/8	2
	Nickel	SW6010B	10	10/22/2008	9.2	04/28/2010	0.55 F	13/2	-- [6]
	Lead	SW6010B	25	01/25/2010	2.4 F	01/27/2009	1.9 F	3/12	15
	Zinc	SW6010B	50	07/29/2010	61.9	01/28/2008	3.8 F	11/4	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB07-LGR03A									
	Dichloroethene, 1,1-	SW8260	1.2					0/22	7
	Bromodichloromethane	SW8260	0.8					0/22	80 [5]
	Bromoform	SW8260	1.2					0/22	80 [5]
	Chloroform	SW8260	0.3	12/19/2016	0.16 F	12/19/2016	0.16 F	1/21	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	12/19/2016	**199.13**	01/28/2008	13	22/0	70
	Dibromochloromethane	SW8260	0.5					0/22	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/22	-- [6]
	Methylene chloride	SW8260	2.0					0/22	5
	Naphthalene	SW8260	1.0					0/22	-- [6]
	Tetrachloroethene	SW8260	1.4	12/19/2016	**100.92**	07/18/2007	0.26 F	21/1	5
	Toluene	SW8260	1.1					0/22	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/23/2009	2.7	07/31/2008	0.39 F	17/5	100
	Trichloroethene	SW8260	1.0	12/19/2016	**150.71**	07/29/2010	0.91 F	22/0	5
	Vinyl chloride	SW8260	1.1	04/07/2016	1.09 F	10/13/2015	0.58 F	3/19	2
	Arsenic	SW6010B	30	04/30/2008	9.1	10/27/2009	3.5 F	7/13	10
	Barium	SW6010B	5.0	04/28/2010	36.4	10/27/2009	31.7	14/0	2000
	Cadmium	SW6010B	7.0					0/14	5
	Chromium	SW6010B	10	04/27/2009	21.9	04/28/2010	1.8 F	10/4	100
	Copper	SW6010B	10	04/28/2010	5.7 B	04/28/2010	5.7 B	1/13	1300
	Mercury	SW7470A	1.0	10/22/2008	0.25 B	04/28/2010	0.076 F	7/7	2
	Nickel	SW6010B	10	04/27/2009	13.1	04/28/2010	0.78 F	10/4	-- [6]
	Lead	SW6010B	25	01/25/2010	2.7 F	01/28/2008	1.6 F	3/11	15
	Zinc	SW6010B	50	04/27/2009	688	10/18/2007	2.5 F	11/3	5000

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Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB07-LGR03B									
	Dichloroethene, 1,1-	SW8260	1.2					0/70	7
	Bromodichloromethane	SW8260	0.8					0/70	80 [5]
	Bromoform	SW8260	1.2					0/70	80 [5]
	Chloroform	SW8260	0.3					0/70	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	09/19/2018	**170.75**	07/28/2011	10.1	70/0	70
	Dibromochloromethane	SW8260	0.5					0/70	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/70	-- [6]
	Methylene chloride	SW8260	2.0	01/08/2007	0.42 F	01/08/2007	0.42 F	1/69	5
	Naphthalene	SW8260	1.0	04/02/2013	1.58	04/02/2013	1.58	1/69	-- [6]
	Tetrachloroethene	SW8260	1.4	09/19/2018	**94.65**	02/23/2011	0.13 F	41/29	5
	Toluene	SW8260	1.1					0/70	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/20/2009	2.6	10/22/2013	0.28 F	61/9	100
	Trichloroethene	SW8260	1.0	09/19/2018	**140.66**	10/15/2007	0.59 F	70/0	5
	Vinyl chloride	SW8260	1.1	03/20/2019	1.31	03/08/2017	0.35 F	6/64	2
	Arsenic	SW6010B	30	05/15/2007	9.3	03/08/2017	0.70 F	29/37	10
	Barium	SW6010B	5.0	11/17/2010	39.5	11/17/2008	26.9	43/0	2000
	Cadmium	SW6010B	7.0					0/43	5
	Chromium	SW6010B	10	05/18/2009	16	09/20/2010	1.3 F	32/11	100
	Copper	SW6010B	10	11/16/2009	44.5 B	01/25/2010	1.0 F	13/30	1300
	Mercury	SW7470A	1.0	05/19/2008	0.58	09/20/2010	0.05 F	13/30	2
	Nickel	SW6010B	10	01/25/2006	9.29 F	07/23/2008	0.73 F	33/10	-- [6]
	Lead	SW6010B	25	11/17/2010	6.2	04/22/2008	1.9 F	12/31	15
	Zinc	SW6010B	50	04/19/2010	53 B	08/17/2009	2.6 B	29/14	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB07-LGR-04									
	Dichloroethene, 1,1-	SW8260	1.2	07/23/2009	1.1 F	10/27/2010	0.21 F	18/16	7
	Bromodichloromethane	SW8260	0.8					0/34	80 [5]
	Bromoform	SW8260	1.2					0/34	80 [5]
	Chloroform	SW8260	0.3	12/19/2016	0.35	07/30/2008	0.13 F	23/11	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	02/01/2011	**572.33**	07/30/2008	**160**	34/0	70
	Dibromochloromethane	SW8260	0.5					0/34	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/34	-- [6]
	Methylene chloride	SW8260	2.0	01/08/2007	0.35 F	01/08/2007	0.35 F	1/33	5
	Naphthalene	SW8260	1.0	01/28/2008	0.72	01/28/2008	0.72	1/33	-- [6]
	Tetrachloroethene	SW8260	1.4	02/01/2011	**444.74**	04/16/2015	**84.85**	34/0	5
	Toluene	SW8260	1.1					0/34	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/23/2009	36	04/28/2010	0.31 F	32/2	100
	Trichloroethene	SW8260	1.0	02/01/2011	**451.58**	01/08/2007	**74**	34/0	5
	Vinyl chloride	SW8260	1.1	09/11/2017	1.89	06/18/2018	0.26 F	4/30	2
	Arsenic	SW6010B	30	03/20/2019	**10.3** F	04/20/2012	0.70 F	10/22	10
	Barium	SW6010B	5.0	07/29/2010	30.2	01/24/2006	22.9	15/0	2000
	Cadmium	SW6010B	7.0	07/29/2010	1.1 F	07/30/2008	0.90 F	2/13	5
	Chromium	SW6010B	10	01/27/2009	10.2	07/18/2007	1.4 F	12/3	100
	Copper	SW6010B	10	04/28/2010	4.8 B	04/29/2008	1.4 F	4/11	1300
	Mercury	SW7470A	1.0	10/22/2008	0.27 B	10/27/2010	0.05 F	5/10	2
	Nickel	SW6010B	10	01/27/2009	7.1	07/29/2010	0.61 F	12/3	-- [6]
	Lead	SW6010B	25	01/25/2010	3.0 F	01/27/2009	2.3 F	2/13	15
	Zinc	SW6010B	50	04/23/2009	59.8	01/25/2010	5.7 F	12/3	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB07-UGR-01									
	Dichloroethene, 1,1-	SW8260	1.2					0/7	7
	Bromodichloromethane	SW8260	0.8					0/7	80 [5]
	Bromoform	SW8260	1.2					0/7	80 [5]
	Chloroform	SW8260	0.3					0/7	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/19/2007	**280**	10/27/2010	0.61 F	7/0	70
	Dibromochloromethane	SW8260	0.5					0/7	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/7	-- [6]
	Methylene chloride	SW8260	2.0					0/7	5
	Naphthalene	SW8260	1.0	07/19/2007	**0.68**	07/19/2007	0.68	1/6	-- [6]
	Tetrachloroethene	SW8260	1.4	10/18/2007	0.32 F	10/18/2007	0.32 F	1/6	5
	Toluene	SW8260	1.1	07/19/2007	8.6	10/18/2007	0.66 F	2/5	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/29/2010	4.5	10/27/2010	1.25	6/1	100
	Trichloroethene	SW8260	1.0	07/19/2007	0.83 F	02/01/2011	0.29 F	6/1	5
	Vinyl chloride	SW8260	1.1	10/18/2007	**76**	10/27/2010	1.38	7/0	2
	Arsenic	SW6010B	30	07/29/2010	7.5	02/01/2011	2.1 F	5/2	10
	Barium	SW6010B	5.0	07/19/2007	219	01/25/2010	87	6/0	2000
	Cadmium	SW6010B	7.0	07/29/2010	0.69 F	07/29/2010	0.69 F	1/5	5
	Chromium	SW6010B	10	07/29/2010	7.1	01/25/2010	1.4 F	6/0	100
	Copper	SW6010B	10	04/28/2010	3.4 B	07/19/2007	1.9 F	2/4	1300
	Mercury	SW7470A	1.0	07/19/2007	0.098 F	10/27/2010	0.05 F	2/4	2
	Nickel	SW6010B	10	07/19/2007	54	01/25/2010	1.9 F	6/0	-- [6]
	Lead	SW6010B	25	01/25/2010	1.7 F	01/25/2010	1.7 F	1/5	15
	Zinc	SW6010B	50	07/29/2010	25.2 F	01/25/2010	3.9 F	5/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB08-LGR-01									
	Dichloroethene, 1,1-	SW8260	1.2	01/10/2007	0.44 F	10/25/2007	0.32 F	2/33	7
	Bromodichloromethane	SW8260	0.8					0/35	80 [5]
	Bromoform	SW8260	1.2					0/35	80 [5]
	Chloroform	SW8260	0.3					0/35	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/30/2008	**150**	12/30/2019	12.15	35/0	70
	Dibromochloromethane	SW8260	0.5					0/35	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/35	-- [6]
	Methylene chloride	SW8260	2.0	09/24/2009	0.46 B	09/24/2009	0.46 B	1/34	5
	Naphthalene	SW8260	1.0					0/35	-- [6]
	Tetrachloroethene	SW8260	1.4	12/29/2005	**47.5**	04/22/2009	0.16 F	19/16	5
	Toluene	SW8260	1.1	12/29/2005	5.06	01/10/2007	1.0 F	3/32	1000
	trans-1,2-Dichloroethene	SW8260	0.6	01/26/2010	9.8	12/30/2019	0.49 F	33/2	100
	Trichloroethene	SW8260	1.0	12/29/2005	**80.3**	04/17/2014	0.17 F	28/7	5
	Vinyl chloride	SW8260	1.1	06/21/2018	1.9	01/30/2008	0.26 F	12/23	2
	Arsenic	SW6010B	30	04/23/2008	**11**	04/15/2015	0.50 F	13/20	10
	Barium	SW6010B	5.0	01/28/2009	116	07/26/2007	79.3	15/0	2000
	Cadmium	SW6010B	7.0	07/21/2009	1.2 F	07/21/2009	1.2 F	1/14	5
	Chromium	SW6010B	10	07/27/2010	11.6	10/20/2008	1.6 F	14/1	100
	Copper	SW6010B	10	10/28/2010	29	10/14/2009	1.5 F	3/12	1300
	Mercury	SW7470A	1.0	10/20/2008	0.27 B	10/28/2010	0.05 F	6/9	2
	Nickel	SW6010B	10	07/27/2010	10.4	01/30/2008	0.82 F	13/2	-- [6]
	Lead	SW6010B	25	10/25/2007	3.1 F	01/28/2009	1.6 F	4/11	15
	Zinc	SW6010B	50	04/23/2008	157	07/21/2009	4.0 F	12/3	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB08-LGR-02									
	Dichloroethene, 1,1-	SW8260	1.2					0/36	7
	Bromodichloromethane	SW8260	0.8					0/36	80 [5]
	Bromoform	SW8260	1.2					0/36	80 [5]
	Chloroform	SW8260	0.3					0/36	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/09/2007	45	04/27/2010	2.1	36/0	70
	Dibromochloromethane	SW8260	0.5					0/36	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/36	-- [6]
	Methylene chloride	SW8260	2.0	09/24/2009	0.38 B	09/24/2009	0.38 B	1/35	5
	Naphthalene	SW8260	1.0					0/36	-- [6]
	Tetrachloroethene	SW8260	1.4	01/27/2006	**43.6**	07/26/2007	0.18 F	21/15	5
	Toluene	SW8260	1.1	03/26/2019	2.52	07/26/2007	0.17 F	4/32	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/21/2009	5.1	04/27/2011	0.13 F	16/20	100
	Trichloroethene	SW8260	1.0	01/27/2006	**52.5**	05/01/2012	0.14 F	29/7	5
	Vinyl chloride	SW8260	1.1	12/21/2016	1.01 F	12/30/2019	0.28 F	9/27	2
	Arsenic	SW6010B	30	01/27/2006	**58**	04/15/2015	0.30 F	17/17	10
	Barium	SW6010B	5.0	04/27/2010	73	01/27/2006	50	16/0	2000
	Cadmium	SW6010B	7.0	07/21/2009	0.90 F	07/21/2009	0.90 F	1/15	5
	Chromium	SW6010B	10	07/21/2009	10.7	01/26/2010	1.4 F	13/3	100
	Copper	SW6010B	10	10/28/2010	29	10/14/2009	1.7 F	3/13	1300
	Mercury	SW7470A	1.0	10/20/2008	0.27 B	07/21/2009	0.065 F	7/9	2
	Nickel	SW6010B	10	01/27/2006	9.69 F	04/27/2010	0.77 F	14/2	-- [6]
	Lead	SW6010B	25	07/24/2008	2.7 F	04/21/2009	1.9 F	3/13	15
	Zinc	SW6010B	50	10/28/2010	43 F	01/30/2008	2.5 F	14/2	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB08-LGR03A									
	Dichloroethene, 1,1-	SW8260	1.2					0/12	7
	Bromodichloromethane	SW8260	0.8					0/12	80 [5]
	Bromoform	SW8260	1.2					0/12	80 [5]
	Chloroform	SW8260	0.3	04/23/2008	0.27 F	07/26/2007	0.10 F	6/6	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/30/2008	**260**	04/27/2010	49	12/0	70
	Dibromochloromethane	SW8260	0.5					0/12	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/12	-- [6]
	Methylene chloride	SW8260	2.0					0/12	5
	Naphthalene	SW8260	1.0					0/12	-- [6]
	Tetrachloroethene	SW8260	1.4	10/28/2010	**195.92**	03/26/2019	**5.6**	12/0	5
	Toluene	SW8260	1.1	03/26/2019	3.96	03/26/2019	3.96	1/11	1000
	trans-1,2-Dichloroethene	SW8260	0.6	01/25/2011	3.89	04/27/2010	0.56 F	12/0	100
	Trichloroethene	SW8260	1.0	01/30/2008	**270**	04/27/2010	**28**	12/0	5
	Vinyl chloride	SW8260	1.1					0/12	2
	Arsenic	SW6010B	30	04/23/2008	**13.3**	12/21/2016	0.30 F	4/8	10
	Barium	SW6010B	5.0	07/27/2010	36.6	07/26/2007	29.6	8/0	2000
	Cadmium	SW6010B	7.0					0/8	5
	Chromium	SW6010B	10	01/30/2008	14.7	10/24/2007	1.7 F	4/4	100
	Copper	SW6010B	10	10/28/2010	28	07/27/2010	24.2 B	2/6	1300
	Mercury	SW7470A	1.0	04/27/2010	0.076 F	04/27/2010	0.076 F	1/7	2
	Nickel	SW6010B	10	01/30/2008	11.8	01/26/2010	1.4 F	8/0	-- [6]
	Lead	SW6010B	25	01/26/2010	3.2 F	07/27/2010	1.6 F	2/6	15
	Zinc	SW6010B	50	10/28/2010	43 F	01/30/2008	4.5 F	8/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB08-LGR03B									
	Dichloroethene, 1,1-	SW8260	1.2					0/61	7
	Bromodichloromethane	SW8260	0.8					0/61	80 [5]
	Bromoform	SW8260	1.2					0/61	80 [5]
	Chloroform	SW8260	0.3	03/25/2008	0.35	10/16/2008	0.096 F	32/29	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	02/22/2011	**351.2**	03/18/2009	28	61/0	70
	Dibromochloromethane	SW8260	0.5	01/26/2010	16	01/26/2010	16	1/60	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/61	-- [6]
	Methylene chloride	SW8260	2.0	11/26/2007	0.61 F	11/26/2007	0.61 F	1/60	5
	Naphthalene	SW8260	1.0					0/61	-- [6]
	Tetrachloroethene	SW8260	1.4	05/19/2008	**270**	03/22/2019	4.2	61/0	5
	Toluene	SW8260	1.1	11/26/2007	0.23 F	11/26/2007	0.23 F	1/60	1000
	trans-1,2-Dichloroethene	SW8260	0.6	11/26/2007	32	04/19/2010	0.34 F	55/6	100
	Trichloroethene	SW8260	1.0	05/19/2008	**310**	04/19/2010	**16**	61/0	5
	Vinyl chloride	SW8260	1.1					0/61	2
	Arsenic	SW6010B	30	05/17/2011	**16**	01/17/2011	0.40 F	18/17	10
	Barium	SW6010B	5.0	11/17/2010	39.9	09/24/2009	27.2	18/0	2000
	Cadmium	SW6010B	7.0	08/16/2010	0.71 F	07/19/2010	0.57 F	2/16	5
	Chromium	SW6010B	10	07/26/2007	7.9	11/17/2010	1.1 F	13/5	100
	Copper	SW6010B	10	04/19/2010	13.6 B	01/21/2008	3.5 F	4/14	1300
	Mercury	SW7470A	1.0	01/26/2006	0.2122	09/20/2010	0.05 F	10/8	2
	Nickel	SW6010B	10	01/26/2006	12.7	04/19/2010	0.76 F	18/0	-- [6]
	Lead	SW6010B	25	11/17/2010	5.9	04/22/2008	1.6 F	6/12	15
	Zinc	SW6010B	50	04/19/2010	63.7 B	01/26/2010	4.1 F	17/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

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[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB08-LGR-04									
	Dichloroethene, 1,1-	SW8260	1.2					0/36	7
	Bromodichloromethane	SW8260	0.8					0/36	80 [5]
	Bromoform	SW8260	1.2					0/36	80 [5]
	Chloroform	SW8260	0.3	01/25/2011	0.08 F	01/25/2011	0.08 F	1/35	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	01/30/2008	**230**	10/05/2015	2.36	36/0	70
	Dibromochloromethane	SW8260	0.5					0/36	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/36	-- [6]
	Methylene chloride	SW8260	2.0					0/36	5
	Naphthalene	SW8260	1.0					0/36	-- [6]
	Tetrachloroethene	SW8260	1.4	09/24/2009	**80**	04/16/2014	0.77 F	35/1	5
	Toluene	SW8260	1.1	10/05/2015	0.19 F	10/05/2015	0.19 F	1/35	1000
	trans-1,2-Dichloroethene	SW8260	0.6	04/21/2009	18	10/21/2014	0.20 F	23/13	100
	Trichloroethene	SW8260	1.0	01/09/2007	**56**	10/21/2014	0.80 F	35/1	5
	Vinyl chloride	SW8260	1.1	01/30/2008	2.0	04/16/2014	0.21 F	7/29	2
	Arsenic	SW6010B	30	06/21/2018	**10.4** F	07/27/2011	0.30 F	12/22	10
	Barium	SW6010B	5.0	07/21/2009	63	07/26/2007	30.4	16/0	2000
	Cadmium	SW6010B	7.0	01/26/2006	0.22 F	01/26/2006	0.22 F	1/15	5
	Chromium	SW6010B	10	01/30/2008	6.6	01/28/2009	1.5 F	9/7	100
	Copper	SW6010B	10	07/27/2010	36.6 B	04/27/2010	1.4 F	4/12	1300
	Mercury	SW7470A	1.0	10/20/2008	0.29 B	10/28/2010	0.05 F	9/7	2
	Nickel	SW6010B	10	07/27/2010	6.6	01/28/2009	0.49 F	12/4	-- [6]
	Lead	SW6010B	25	07/24/2008	5.8	04/21/2009	1.6 F	5/11	15
	Zinc	SW6010B	50	10/28/2010	54	01/30/2008	3.2 F	15/1	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

Well Location ID	Analytes of Concern in Groundwater Monitoring	Analytical Method [1]	CSSA RL [2]	Max Det Date [3]	Maximum Detected Conc	Min Det Date [3]	Minimum Detected Conc	Number of Detections/ NDs	Action Level/ MCL [4]
CS-WB08-UGR-01									
	Dichloroethene, 1,1-	SW8260	1.2	10/28/2010	0.89 F	05/01/2012	0.30 F	6/19	7
	Bromodichloromethane	SW8260	0.8					0/25	80 [5]
	Bromoform	SW8260	1.2					0/25	80 [5]
	Chloroform	SW8260	0.3	09/24/2009	0.081 F	09/24/2009	0.081 F	1/24	80 [5]
	cis-1,2-Dichloroethene	SW8260	1.2	07/27/2010	**1700**	12/30/2019	1.46	25/0	70
	Dibromochloromethane	SW8260	0.5					0/25	80 [5]
	Dichlorodifluoromethane	SW8260	1.0					0/25	-- [6]
	Methylene chloride	SW8260	2.0	09/24/2009	0.47 B	09/24/2009	0.47 B	1/24	5
	Naphthalene	SW8260	1.0	10/14/2009	0.43	10/14/2009	0.43	1/24	-- [6]
	Tetrachloroethene	SW8260	1.4	07/26/2007	**50**	10/21/2014	0.27 F	17/8	5
	Toluene	SW8260	1.1	12/30/2019	6.98	04/13/2016	0.10 F	5/20	1000
	trans-1,2-Dichloroethene	SW8260	0.6	07/27/2010	10	04/27/2010	0.27 F	25/0	100
	Trichloroethene	SW8260	1.0	07/26/2007	**28**	04/15/2015	0.26 F	24/1	5
	Vinyl chloride	SW8260	1.1	04/27/2011	**100.08**	12/30/2019	0.85 F	22/3	2
	Arsenic	SW6010B	30	09/08/2017	8.0 F	11/03/2011	0.50 F	14/11	10
	Barium	SW6010B	5.0	10/28/2010	47.9	07/26/2007	24.6	7/0	2000
	Cadmium	SW6010B	7.0	07/27/2010	0.76 F	07/27/2010	0.76 F	1/6	5
	Chromium	SW6010B	10	04/27/2010	11.9	01/26/2010	1.6 F	7/0	100
	Copper	SW6010B	10	10/28/2010	33	10/28/2010	33	1/6	1300
	Mercury	SW7470A	1.0	04/27/2010	0.067 F	10/28/2010	0.06 F	3/4	2
	Nickel	SW6010B	10	10/28/2010	16.7	07/26/2007	6.2	7/0	-- [6]
	Lead	SW6010B	25	01/26/2010	3.3 F	01/26/2010	3.3 F	1/6	15
	Zinc	SW6010B	50	07/27/2010	81.2	01/26/2010	7.9 F	7/0	5000

Units are micrograms per liter (µ/L). No results listed indicates that the analyte was analyzed for, but not detected above the Method Detection Limit (MDL). MCL exceedances are bolded. F flag indicates a value above the MDL and below the RL. J flag indicates a positively identified, estimated value. B flag indicates analyte also found in associated method blank. M flag indicates presence of a matrix effect.

[1] For metals analylzed by differing analytical methods, both methods are listed: Max Det Method/Min Det Method.

[2] Reporting Limit (RL) established by CSSA Base-Wide Quality Assurance Project Plan, January, 2003.

[3] Where the minimum and/or maximum detected results were the same for multiple dates, the most recent date is listed.

[4] Maximum Contaminant Level (MCL) - The highest level of a contaminant allowed in drinking water. Lead and copper are Action Levels. Value used for zinc is a Secondary Contaminant Level. US EPA National Primary Drinking Water Standards, May 2009. (http://water.epa.gov/drink/contaminants/index.cfm)

[5] MCL for THMs combined cannot exceed 80 µg/L (as of January 1, 2002).

[6] No MCL or Action Level has been established for this analyte.

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Appendix C

Summary of Three-Tiered Long Term Monitoring Network Optimization

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Appendix C.1

Proposed Groundwater Monitoring Program Summary based on 2020 Long Term Monitoring Optimization Evaluation

Plume 1

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APPENDIX C.1
PROPOSED GROUNDWATER MONITORING PROGRAM SUMMARY BASED ON 2020 LONG TERM MONITORING OPTIMIZATION EVALUATION
PLUME 1
CAMP STANLEY STORAGE ACTIVITY, TEXAS

Well Name	Zone	Current 2015 LTMO Sampling Frequency	Qualitative Evaluation		Temporal Evaluation	Spatial Evaluation	Summary			
			Retention Evaluation	Recommended Monitoring Frequency			Final Retention Evaluation	Retention Rationale	Recommended 2020 LTMO Monitoring Frequency (Months)	Frequency Rationale
CS-1	LGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	Drinking water well	3	Drinking water well
CS-2	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor plume edge	30	Provide back up for CS-4 as plume edge monitoring point
CS-4	LGR	15	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor plume	30	Plume edge monitoring point
CS-10	LGR	3	Retain	Biennial	Exclude/Reduce	Retain	Retain	Drinking water well	3	Drinking water well
CS-12	LGR	3	Retain	Less than Biennial	Retain	Exclude	Retain	Drinking water well	3	Drinking water well
CS-13	LGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	Drinking water well	3	Drinking water well
CS-D	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor plume	15	In-plume monitoring point
CS-MWG-LGR	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Exclude	Retain	Provides background in uneffected area	30	Retain as upgradient/background monitoring point, distant from Plume 1
CS-MWH-LGR	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Exclude	Retain	Provides background in uneffected area	30	Retain as upgradient/background monitoring point, distant from Plume 1
CS-I	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Exclude	Retain	Provides background/ upgradient well	30	Retain as upgradient/background monitoring point, distant from Plume 1
CS-MW1-LGR	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, downgradient source	15	Downgradient well with predictable/ decreasing or stable COC concentrations
CS-MW1-CC	CC	30	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, downgradient source	30	Historically ND, downgradient of Plume 1 source area
CS-MW2-LGR	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor SE plume/plume-edge	30	In-plume well with historical ND/ trace detections
CS-MW2-CC	CC	30	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor SE plume-edge in CC	30	Downgradient well with historical ND
CS-MW3-LGR	LGR	30	Exclude	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor up/cross-gradient of plume	30	Cross-gradient well with historical ND
CS-MW4-LGR	LGR	30	Exclude	Biennial	Exclude/Reduce	Retain	Retain	Monitor cross-gradient near southern plume toe	30	Cross-gradient well with historical ND/ trace detections
CS-MW5-LGR	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor in-plume	15	In-plume well with decreasing COC concentrations
CS-MW9-LGR	LGR	30	Exclude	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor LGR background	30	Upgradient and cross-gradient of Plume 1, historical ND
CS-MW9-CC	CC	30	Exclude	Less than Biennial	Exclude/Reduce	Exclude	Retain	Monitor CC background	30	Upgradient and cross-gradient of Plume 1, historical ND
CS-MW12-LGR	LGR	15	Exclude	Biennial	Exclude/Reduce	Exclude	Retain	Downgradient/cross-gradient well in LGR	15	Well down/cross gradient, along a fault between source and CSSA boundary; Between plume and fenceline; ND COC concentrations
CS-MW12-CC	CC	30	Exclude	Biennial	Exclude/Reduce	Exclude	Retain	Downgradient/cross-gradient well in CC	30	Well down/cross gradient, along a fault between source and CSSA boundary; Between plume and fenceline; ND COC concentrations
CS-MW17-LGR	LGR	15	Retain	Biennial	Retain	Retain	Retain	Sentinel, upgradient of DWW CS-13	15	Well down/cross gradient of plume and upgradient of CS-13; Only monitoring well in the east pasture; down gradient and ND or trace detections. Retain as sentinel for CS-13
CS-MW18-LGR	LGR	30	Retain	Biennial	Retain	Retain	Retain	Sentinel, downgradient Plume 1 and upgradient of Plume 2	30	Distant downgradient Plume 1 and well CS-10/Upgradient Plume 2 well
CS-MW19-LGR	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor in-plume; between plume 1 and CS-10	30	Downgradient well with ocassional trace detections
CS-MW20-LGR	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	In-plume, near toe of Plume 1	30	Downgradient well with predictable/ stable COC concentrations
CS-MW21-LGR	LGR	30	Retain	Biennial	Retain	Retain	Retain	Sentinel, upgradient of drinking water well CS-1	30	Well down gradient of Plume 1 and upgradient of CS-1 with historical ND or trace detections
CS-MW22-LGR	LGR	30	Retain	Biennial	Retain	Retain	Retain	Sentinel	30	Well down gradient of Plume 1 and upgradient of southern CSSA boundary with historical ND
CS-MW23-LGR	LGR	30	Exclude	Biennial	Exclude/Reduce	Retain	Retain	Downgradient	30	Downgradient well, historical ND
CS-MW24-LGR	LGR	30	Exclude	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor western plume-edge	30	Cross-gradient well, historical ND
CS-MW25-LGR	LGR	30	Exclude	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor upgradient of Plume 1	30	Upgradient of Plume 1, historical ND

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Appendix C.2

Proposed Groundwater Monitoring Program Summary based on 2020 Long Term Monitoring Optimization Evaluation

Plume 2

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APPENDIX C.2
PROPOSED GROUNDWATER MONITORING PROGRAM SUMMARY BASED ON 2020 LONG TERM MONITORING OPTIMIZATION EVALUATION
PLUME 2
CAMP STANLEY STORAGE ACTIVITY, TEXAS

Well Name	Zone	Current 2015 LTMO Sampling Frequency	Qualitative Evaluation		Temporal Evaluation	Spatial Evaluation	Summary			
			Retention Evaluation	Recommended Monitoring Frequency			Final Retention Evaluation	Retention Rationale	Recommended 2020 LTMO Monitoring Frequency (Months)	Frequency Rationale
CS-MW10-CC	CC	30	Exclude	Biennial	Exclude/Reduce	Retain	Retain	Downgradient and adjacent to boundary	30	Monitor Plume 2 in CC downgradient of source area
CS-MW10-LGR	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Downgradient and adjacent to boundary	15	Monitor Plume 2 in LGR downgradient of source area
CS-MW11A-LGR	LGR	15	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor plume edge	15	Cross-gradient well with predictable trace detections
CS-MW11B-LGR	LGR	15	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Monitor plume edge	15	Cross-gradient well with predictable trace detections
CS-MW23-LGR	LGR	30	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Upgradient	30	Upgradient, predictible ND history
CS-MW35-LGR	LGR	15	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Cross-gradient plume edge well	15	Cross-gradient well with predictable trace detections
CS-MW36-LGR	LGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Monitor LGR In-plume	15	Monitor the LGR within the source area, predictable COC concentrations, stable COC trends
CS-MW37-LGR	LGR	15	Retain	Biennial	Retain	Retain	Retain	Sentinel	15	Cross-gradient Plume 2 and upgradient CSSA boundary, trace detections
CS-MW6-CC	CC	30	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Upgradient Plume 2 in CC	30	Upgradient, predictible ND history
CS-MW6-LGR	LGR	15	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Upgradient Plume 2 in LGR	15	Upgradient, predictible trace and ND history
CS-MW7-CC	CC	30	Exclude	Less than Biennial	Exclude/Reduce	Retain	Retain	Cross-gradient plume edge CC well	30	Cross-gradient CC well, predictible ND history
CS-MW7-LGR	LGR	15	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Cross-gradient plume edge LGR well	15	Cross-gradient LGR well, predictible trace detection history
CS-MW8-CC	CC	15	Exclude	Annual	Exclude/Reduce	Retain	Retain	Downgradient In-plume CC well	15	Downgradient CC well with ND history
CS-MW8-LGR	LGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Downgradient In-plume LGR well	15	Downgradient LGR well with predictable detections, decreasing trend
CS-WB01-LGR-01	LGR	15	Retain	Unknown	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, predictable detections
CS-WB01-LGR-02	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detections
CS-WB01-LGR-03	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detections
CS-WB01-LGR-04	LGR	15	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, predictable, trace and ND history
CS-WB01-LGR-05	LGR	15	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, predictable, trace and ND history
CS-WB01-LGR-06	LGR	15	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, ND and detections with increasing trend
CS-WB01-LGR-07	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, predictable detections with stable and decreasing trends
CS-WB01-LGR-08	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, predictable detections with stable and decreasing trends
CS-WB01-LGR-09	LGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable and decreasing trends
CS-WB01-UGR-01	UGR	15	Retain	Unknown	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, within the shallow subsurface
CS-WB02-LGR-01	LGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, ND and trace detection history
CS-WB02-LGR-02	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detections, and trace and ND history
CS-WB02-LGR-03	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detections, and trace and ND history
CS-WB02-LGR-04	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable and decreasing detections, and trace and ND history
CS-WB02-LGR-05	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, decreasing detections and ND and trace detection history
CS-WB02-LGR-06	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, probably decreasing detections and ND and trace detection history
CS-WB02-LGR-07	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, increasing and decreasing detections and ND and trace detection history
CS-WB02-LGR-08	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection, and ND and trace detection
CS-WB02-LGR-09	LGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, decreasing detections and ND and trace detection history
CS-WB02-UGR-01	UGR	15	Retain	Exclude	Not Analyzed	Retain	Exclude	Monitor vertical distribution of contaminants In-Plume	15	Typically dry, however, in-plume and within the shallow subsurface
CS-WB03-LGR-01	LGR	15	Retain	Unknown	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, increasing and stable detection trends
CS-WB03-LGR-02	LGR	15	Retain	Annual	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trends
CS-WB03-LGR-03	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume,decreasing and probably decreasing detections and ND history
CS-WB03-LGR-04	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, increasing, probably decreasing, and stable detection trends
CS-WB03-LGR-05	LGR	15	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable and probably increasing detection trends

APPENDIX C.2
PROPOSED GROUNDWATER MONITORING PROGRAM SUMMARY BASED ON 2020 LONG TERM MONITORING OPTIMIZATION EVALUATION
PLUME 2
CAMP STANLEY STORAGE ACTIVITY, TEXAS

Well Name	Zone	Current 2015 LTMO Sampling Frequency	Qualitative Evaluation		Temporal Evaluation	Spatial Evaluation	Summary			
			Retention Evaluation	Recommended Monitoring Frequency			Final Retention Evaluation	Retention Rationale	Recommended 2020 LTMO Monitoring Frequency (Months)	Frequency Rationale
CS-WB03-LGR-06	LGR	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trends and ND and trace detection history
CS-WB03-LGR-07	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, probably decreasing and stable detections and ND history
CS-WB03-LGR-08	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, ND and trace detection history
CS-WB03-LGR-09	LGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, decreasing detections and ND and trace detection history
CS-WB03-UGR-01	UGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, within the shallow subsurface near point of release, typically high concentrations with stable or decreasing trends
CS-WB04-BS-01	BS	30	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, ND and trace detections, however additional BS zone included a marked increase in concentrations
CS-WB04-BS-02	BS	30	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, no trend for PCE due to high variation/recent increase in concentration
CS-WB04-CC-01	CC	30	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, no trend for PCE due to high variation/recent increase in concentration
CS-WB04-CC-02	CC	30	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, no trend for PCE due to high variation/recent increase in concentration
CS-WB04-CC-03	CC	30	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, no trend for PCE due to high variation/recent increase in concentration
CS-WB04-LGR-01	LGR	15	Retain	Unknown	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trend and ND history
CS-WB04-LGR-02	LGR	30	Retain	Biennial	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	30	In-plume, stable trend
CS-WB04-LGR-03	LGR	30	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	30	In-plume, ND and trace detection
CS-WB04-LGR-04	LGR	30	Retain	Biennial	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	30	In-plume, ND and trace detection
CS-WB04-LGR-06	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trend
CS-WB04-LGR-07	LGR	15	Retain	Annual	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trend and no trend due to variation in concentrations
CS-WB04-LGR-08	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trend and ND and trace detection history
CS-WB04-LGR-09	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trend and ND and trace detection history
CS-WB04-LGR-10	LGR	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, stable detection trend and ND and trace detection history
CS-WB04-LGR-11	LGR	15	Retain	Unknown	Retain	Retain	Retain	Monitor vertical distribution of contaminants In-Plume	15	In-plume, no trend due to variation in concentrations and ND and trace detection history
CS-WB04-UGR-01	UGR	15	Retain	Exclude	Not Analyzed	Retain	Exclude	Monitor vertical distribution of contaminants In-Plume	15	Typically dry, however, in-plume and within the shallow subsurface
FO-J1	CC	30	Retain	Annual	Exclude/Reduce	Retain	Retain	Cross-gradient off-post well	30	Upgradient Plume 2, cross-gradient Plume 1
I10-10	--	15	Retain	Biennial	Exclude/Reduce	Retain	Retain	Downgradient, replacement for LS-4	15	Most southern downgradient monitoring point, ND history
I10-8	--	30	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	Cross-gradient	30	Most western monitoring point, cross-gradient Plume 2, off-post, ND history
JW-7	--	30	Retain	Biennial	Exclude/Reduce	Retain	Retain	History of trace detections, off-post well	30	Upgradient Plume 2, cross-gradient Plume 1, trace detection
JW-8	LGR/CC/HS	30	Retain	Biennial	Exclude/Reduce	Retain	Retain	Cross-gradient off-post well	30	Upgradient Plume 2, cross-gradient Plume 1
LS-5	--	3	Retain	Unknown	Retain	Retain	Retain	In-plume, off-post GAC well	3	In-plume, off-post GAC well
LS-6	--	3	Retain	Unknown	Retain	Retain	Retain	In-plume, off-post GAC well	3	In-plume, off-post GAC well
LS-7	--	3	Retain	Unknown	Exclude/Reduce	Retain	Retain	In-plume, off-post GAC well	3	In-plume, off-post GAC well
OFR-3	LGR/CC	3	Retain	Unknown	Exclude/Reduce	Retain	Retain	In-plume, off-post GAC well	3	In-plume, off-post GAC well
RFR-10	--	3	Retain	Unknown	Exclude/Reduce	Retain	Retain	In-plume, off-post GAC well	3	In-plume, off-post GAC well
RFR-11	--	3	Retain	Unknown	Retain	Retain	Retain	In-plume, off-post GAC well	3	In-plume, off-post GAC well
RFR-12	LGR/CC/HS	15	Retain	Annual	Exclude/Reduce	Retain	Retain	Downgradient plume-edge, off-post well	15	Downgradient off-post well with trace detections
RFR-14	LGR/CC	30	Retain	Annual	Exclude/Reduce	Retain	Retain	Downgradient plume-edge, off-post well	15	Downgradient off-post well, ND

Appendix C.3

Proposed Groundwater Monitoring Program Summary based on 2020 Long Term Monitoring Optimization Evaluation

Bioreactor System

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APPENDIX C.3
PROPOSED GROUNDWATER MONITORING PROGRAM SUMMARY BASED ON 2020 LONG TERM MONITORING OPTIMIZATION EVALUATION
BIOREACTOR SYSTEM
CAMP STANLEY STORAGE ACTIVITY, TEXAS

Well Name	Zone	Current 2015 LTMO Sampling Frequency	Qualitative Evaluation		Temporal Evaluation	Spatial Evaluation	Summary			
			Retention Evaluation	Recommended Monitoring Frequency			Final Retention Evaluation	Retention Rationale	Recommended 2020 LTMO Monitoring Frequency (Months)	Frequency Rationale
CS-MW16-LGR	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	Bioreactor extraction well	9	Bioreactor extraction well; monitor VOC concentrations in system influent
CS-MW16-CC	CC	9	Retain	Annual	Exclude/Reduce	Retain	Retain	Bioreactor extraction well	9	Bioreactor extraction well; monitor VOC concentrations in system influent
CS-B3-MW01	LGR	As-needed	Exclude	Exclude	Retain	Retain	Retain	Bioreactor injection well	As-needed	Sample as-needed to monitor conditions prior to and following substrate injections
CS-B3-MW02	LGR	As-needed	Exclude	Less than Biennial	Not Analyzed	Retain	Retain	Bioreactor injection well	As-needed	Sample as-needed to monitor conditions prior to and following substrate injections
CS-B3-MW03	UGR	As-needed	Exclude	Less than Biennial	Not Analyzed	Retain	Retain	Bioreactor injection well	As-needed	Sample as-needed to monitor conditions prior to and following substrate injections
CS-B3-MW04	LGR	As-needed	Exclude	Less than Biennial	Not Analyzed	Retain	Retain	Bioreactor injection well	As-needed	Sample as-needed to monitor conditions prior to and following substrate injections
B3-EXW01	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	Bioreactor extraction well	9	Bioreactor extraction well; monitor VOC concentrations in system influent
B3-EXW02	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	Bioreactor extraction well	9	Bioreactor extraction well; monitor VOC concentrations in system influent
B3-EXW03	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	Bioreactor extraction well	9	Bioreactor extraction well; monitor VOC concentrations in system influent
B3-EXW04	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	Bioreactor extraction well	9	Bioreactor extraction well; monitor VOC concentrations in system influent
B3-EXW05	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	Bioreactor extraction well	9	Bioreactor extraction well; monitor VOC concentrations in system influent
B3-MW26-UGR	UGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
B3-MW27-UGR	UGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
B3-MW29-UGR	UGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
B3-MW30-UGR	UGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
B3-MW31-UGR	UGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
B3-MW32-UGR	UGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
B3-MW33-UGR	UGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
B3-MW34-UGR	UGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance within the UGR
CS-WB05-LGR-01	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB05-LGR-02	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB05-LGR-03A	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB05-LGR-03B	LGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
CS-WB05-LGR-04A	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB05-LGR-04B	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB05-BS-01	BS	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, BS monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB05-CC-01	CC	9	Retain	Annual	Retain	Retain	Retain	In-plume, CC monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB05-CC-02	CC	9	Retain	Annual	Retain	Retain	Retain	In-plume, CC monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB06-UGR-01	UGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB06-LGR-01	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB06-LGR-02	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs

APPENDIX C.3
PROPOSED GROUNDWATER MONITORING PROGRAM SUMMARY BASED ON 2020 LONG TERM MONITORING OPTIMIZATION EVALUATION
BIOREACTOR SYSTEM
CAMP STANLEY STORAGE ACTIVITY, TEXAS

Well Name	Zone	Current 2015 LTMO Sampling Frequency	Qualitative Evaluation		Temporal Evaluation	Spatial Evaluation	Summary			
			Retention Evaluation	Recommended Monitoring Frequency			Final Retention Evaluation	Retention Rationale	Recommended 2020 LTMO Monitoring Frequency (Months)	Frequency Rationale
CS-WB06-LGR-03A	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB06-LGR-03B	LGR	6	Retain	Annual	Exclude/Reduce	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
CS-WB06-LGR-04	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB07-UGR-01	UGR	9	Retain	Annual	Not Analyzed	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB07-LGR-01	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB07-LGR-02	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB07-LGR-03A	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB07-LGR-03B	LGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
CS-WB07-LGR-04	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB08-UGR-01	UGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, UGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB08-LGR-01	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB08-LGR-02	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB08-LGR-03A	LGR	9	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-WB08-LGR-03B	LGR	6	Retain	Annual	Exclude/Reduce	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
CS-WB08-LGR-04	LGR	9	Retain	Annual	Retain	Retain	Retain	In-plume, LGR monitoring	9	Monitor Bioreactor performance, vertical distribution of COCs
CS-MW5-LGR	LGR	6	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	In-plume downgradient, LGR monitoring	6	Monitor Bioreactor performance, lateral distribution of COCs
CS-MW1-LGR	LGR	6	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	In-plume downgradient, LGR monitoring	6	Monitor Bioreactor performance, lateral distribution of COCs
CS-D	LGR	6	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	In-plume cross-gradient, LGR monitoring	6	Monitor Bioreactor performance, lateral distribution of COCs
B3-T1-1	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T1-2	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T1-3	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T2-1	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T2-2	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T3-1	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T3-2	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T4-1	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T5-1	UGR	6	Retain	Annual	Exclude/Reduce	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T5-2	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T6-1	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency
B3-T6-2	UGR	6	Retain	Annual	Retain	Retain	Retain	UIC Permit required monitoring point	6	UIC Permit required monitoring frequency

Appendix C.4

Proposed Groundwater Monitoring Program Summary based on 2020 Long Term Monitoring Optimization Evaluation

AOC-65 ISCO Treatment

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APPENDIX C.4
PROPOSED GROUNDWATER MONITORING PROGRAM SUMMARY BASED ON 2020 LONG TERM MONITORING OPTIMIZATION EVALUATION
AOC-65 ISCO TREATMENT
CAMP STANLEY STORAGE ACTIVITY, TEXAS

Well Name	Zone	Current 2015 LTMO Sampling Frequency	Qualitative Evaluation		Temporal Evaluation	Spatial Evaluation	Summary			
			Retention Evaluation	Recommended Monitoring Frequency			Final Retention Evaluation	Retention Rationale	Recommended 2020 LTMO Monitoring Frequency (Months)	Frequency Rationale
AOC65-TSW-01	UGR	3	Retain	Annual	Retain	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-TSW-02	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-TSW-03	UGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-TSW-04	UGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-TSW-05	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-TSW-06	UGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-TSW-07	UGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-PZ01-LGR	LGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor LGR in treatment area
AOC65-PZ02-LGR	LGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor LGR in treatment area
AOC65-PZ05-LGR	LGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor LGR in treatment area
AOC65-PZ06-LGR	LGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor LGR in treatment area
AOC65-SIW-01	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-VEW13-LGR	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-VEW15-UGR	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-VEW16-LGR	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor LGR in treatment area
AOC65-VEW18-LGR	LGR	3	Retain	Annual	Retain	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-VEW19-UGR	UGR	3	Retain	Annual	Retain	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-VEW20	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-VEW21	UGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-VEW23	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-VEW25	UGR	3	Retain	Annual	Retain	Retain	Retain	In-plume	6	Monitor UGR in treatment area
AOC65-VEW27	UGR	3	Retain	Annual	Retain	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-VEW28A	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor LGR in treatment area
AOC65-VEW28B	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor LGR in treatment area
AOC65-VEW29	UGR	3	Retain	Annual	Retain	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-VEW31	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-VEW32	UGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-IIW-01	LGR	3	Retain	Annual	Retain	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-IIW-02	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-IIW-03	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
AOC65-IIW-04	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	In-Plume; ISCO oxidant application well	6	Monitor oxidant effectiveness
CS-MW6-LGR	LGR	3	Retain	Less than Biennial	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor LGR in treatment area
CS-MW7-LGR	LGR	3	Retain	Biennial	Exclude/Reduce	Retain	Retain	In-plume, plume-edge	6	Monitor LGR in treatment area
CS-MW8-LGR	LGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor LGR in treatment area
CS-MW36-LGR	LGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	In-plume	6	Monitor LGR in treatment area
LS-5	--	3	Retain	Monthly to Quarterly	Retain	Retain	Retain	Off-post DWW with GAC wellhead protection	6	Monitor for ISCO byproducts pre and post GAC treatment
LS-6	--	3	Retain	Monthly to Quarterly	Retain	Retain	Retain	Off-post DWW with GAC wellhead protection	6	Monitor for ISCO byproducts pre and post GAC treatment
LS-7	--	3	Retain	Monthly to Quarterly	Exclude/Reduce	Retain	Retain	Off-post DWW with GAC wellhead protection	6	Monitor for ISCO byproducts pre and post GAC treatment
OFR-3	LGR/CC	3	Retain	Monthly to Quarterly	Exclude/Reduce	Retain	Retain	Off-post DWW with GAC wellhead protection	6	Monitor for ISCO byproducts pre and post GAC treatment
RFR-10	--	3	Retain	Monthly to Quarterly	Exclude/Reduce	Retain	Retain	Off-post DWW with GAC wellhead protection	6	Monitor for ISCO byproducts pre and post GAC treatment
RFR-11	--	3	Retain	Monthly to Quarterly	Retain	Retain	Retain	Off-post DWW with GAC wellhead protection	6	Monitor for ISCO byproducts pre and post GAC treatment
CS-WB01-LGR-01	LGR	3	Retain	Annual	Retain	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area
CS-WB01-LGR-09	LGR	3	Retain	Semi-Annual	Retain	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area
CS-WB01-UGR-01	UGR	3	Retain	Annual	Retain	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor UGR in treatment area
CS-WB02-LGR-01	LGR	3	Retain	Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area
CS-WB02-LGR-09	LGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area
CS-WB03-LGR-01	LGR	3	Retain	Semi-Annual	Retain	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area
CS-WB03-LGR-09	LGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area
CS-WB03-UGR-01	UGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor UGR in treatment area
CS-WB04-LGR-01	LGR	3	Retain	Semi-Annual	Exclude/Reduce	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area
CS-WB04-LGR-11	LGR	3	Retain	Semi-Annual	Retain	Retain	Retain	Monitor vertical distribution of COCs	6	Monitor LGR in treatment area

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Appendix D

List of all CSSA Groundwater Monitoring Program On-Post Well Locations and the Rationale for Installation

Drilling Location	***Date Installed***	***Rationale***
Supply Wells (CS-1, CS-10, CS-12, CS-13)	March 1940 – April 2012	➢ All production wells to supply CSSA with potable water, and are open-hole completions fully penetrating throughout the thickness of the Middle Trinity aquifer. ➢ CS-1 is located on Camp Bullis, but is operated and maintained by CSSA. Used as supplemental groundwater production by direct entry into the distribution system. ➢ Wells CS-9, CS-10, CS-11 are part of wellfield that are located in conjunction with the storage reservoir. CS-10 is the primary purveyor of groundwater for CSSA. CS-9 is generally inactive and was plugged in August, 2015. CS-11 is no longer used due to coliform contamination and was plugged in August 2015. ➢ CS-12 was drill in the North Pasture in January 2009, and provides groundwater production by direct entry into the distribution system. ➢ CS-13 was drill in the East Pasture in April 2012, and provides groundwater production by direct entry into the distribution system.
Agricultural Wells (CS-2, CS-3, CS-4, CS-D, CS-G, CS-H, CS-I	Dates Unknown *(except CS-I in April 1979)*	➢ Old agricultural and supply wells that generally produce groundwater from the Lower Glen Rose. Most were formerly equipped with windmills or motorized pump jacks. ➢ With exception of CS-I, all are inactive except for groundwater monitoring. ➢ CS-H was obstructed, and has been plugged and replaced by CS-MWH-LGR (see below).
CS-MW1 Cluster (CS-MW1-LGR, CS-MW1-BS, CS-MW1-CC)	July 2002 November 2002 December 2002	➢ Monitors for southward flow components within Plume 1 and the fault zone. ➢ Helps evaluate the effects of topographic expression on the water table and local recharge. ➢ Determine if contamination detected in LGR groundwater at this location has migrated downward to the Bexar Shale and Cow Creek Limestone. ➢ Fills in spatial data gap in central portion of CSSA. ➢ CS-MW1 was installed in 1996 as an open borehole completion for preliminary investigation of the well CS-16 and CS-D VOC detections. This well was upgraded to a screen completion (CS-MW1-LGR) in July 2002.
CS-MW2-Pair (CS-MW-2-LGR CS-MW2-CC)	July 2002 March 2003	➢ Fills data gap regarding Cow Creek in the eastern portion of the Inner Cantonment. ➢ Monitors for eastward flow of Plume 1 contaminants beyond the fault zone. ➢ Determine if contamination detected in LGR groundwater at this location has migrated downward to the Bexar Shale and Cow Creek Limestone. ➢ Helps evaluate effects of topographic expression on the water table and local recharge. ➢ CS-MW2 was installed in 1996 for preliminary investigation of the well CS-16 and CS-D VOC detections. This well was upgraded to a screen completion (CS-MW2-LGR) in July 2002.
CS-MW3-LGR	February 2001	➢ Monitors for eastward flow components within Plume 1 and the fault zone. ➢ Helps evaluate the effects of topographic expression on the water table and local recharge. ➢ Fills in spatial data gap in eastern portion of CSSA.
CS-MW4-LGR	February 2001	➢ Serves as a downgradient LGR well to Plume 1 outside the fault zone.

Drilling Location	***Date Installed***	***Rationale***
		➢ Helps measure effects (if any) that Salado Creek may have on localized groundwater system.
CS-MW5 LGR	February 2001	➢ Fills data gap regarding subsurface in the eastern portion of the inner cantonment area. ➢ Monitors for eastward flow of Plume 1 contaminants within the fault zone. ➢ Helps evaluate effects of topographic expression on the water table and local recharge. ➢ Fills in spatial data gap in eastern portion of CSSA.
CS-MW6-Cluster (CS-MW6-LGR, CS-MW6-BS, CS-MW6-CC)	March 2001 - April 2001	➢ Provides data for areas upgradient of Building 90 (AOC 65). ➢ Provides information regarding BS and CC Limestone in the vicinity of the Plume 2 area.
CS-MW7-Pair (CS-MW7-LGR, CS-MW7-CC)	June 2001 - July 2001	➢ Monitors groundwater impacts in the most industrialized portion of CSSA (Plume 2). ➢ Provides information for area downgradient (based on historical potentiometric maps) of Building 90 during periods of normal groundwater levels.
CS-MW8-Pair (CS-MW8-LGR, CS-MW8-CC)	May 2001 - June 2001	➢ Monitors groundwater impacts in the most industrialized portion of CSSA (Plume 2). ➢ Provides information for area downgradient (based on historical potentiometric maps) of Building 90 during periods of low (drought condition) groundwater levels.
CS-MW9-Cluster (CS-MW9-LGR, CS-MW9-BS, CS-MW9-CC)	November 2000 - January 2001	➢ Provides background condition data, upgradient of Wells CS-16 and CS-D and fault zone. ➢ Provides a sentry well between Plume 1 and nearest Fair Oaks municipal production well. ➢ Provides information regarding BS and CC Limestone north of inner cantonment area.
CS-MW10-Pair (CS-MW10-LGR, CS-MW10-CC)	September 2001	➢ Provides data in vicinity of former well CS-6, which had 1.5 ppb PCE in May 1994. Also within 500 feet of impacted off-post wells at Leon Springs Villa and Curres Creek Road. ➢ Monitors groundwater impacts in the most industrialized portion of CSSA. ➢ Helps spatially distribute data for future modeling efforts. ➢ Provides data for area proximal to mapped fault zone.
CS-MW11 Cluster CS-MW11A-LGR CS-MW11B-LGR	April 2003	➢ Provides data for area east of Building 90 (AOC-65) and provide detection monitoring for public supply wells along southern post boundary. ➢ Investigate hydrologic properties of large, transmissive fault system encountered at this location (MW11B-LGR).
CS-MW12 Cluster (CS-MW12-LGR CS-MW12-BS CS-MW12-CC)	September 2002 - October 2002	➢ Serves as a monitoring point down-gradient of Plume 1, within the fault zone, and between the source area and CSSA drinking water supply wells.
CS-16 Cluster CS-16-LGR CS-MW16-CC	July 2002 June 2003	➢ CS-16 is a former supply well that was re-fitted as a monitoring well (CS-16-LGR) in July 2002. The BS and CC portions of the former supply well were plugged with cement to eliminate downward cross contamination between the LGR and CC portions of the Middle Trinity aquifer. ➢ Monitors Cow Creek major water-bearing zone adjacent to the alleged Plume 1 source area.

Drilling Location	***Date Installed***	***Rationale***
		➢ Determine if contamination detected in LGR groundwater at this location has migrated downward to the Bexar Shale and Cow Creek Limestone. ➢ Since 2007, both wells have been used as part of the groundwater containment and recirculation activities associated with the SMWU B-3 Bioreactor system.
CS-MW17-LGR CS-MW18-LGR CS-MW19-LGR	July 2002 - August 2002	➢ CS-MW17-LGR installed for detection of Plume contaminants between source area and public supply well CS-1. ➢ CS-MW18-LGR and MW19-LGR monitors LGR groundwater downgradient of Plume 1 in central sections of CSSA.
CS-WB01-LGR CS-WB02-LGR CS-WB03-LGR	July 2003 - August 2003	➢ Multi-port wells to provide information on UGR and LGR in AOC-65 area. ➢ Monitor subsurface throughout possible Plume 2 migration pathways. ➢ Provide continuous detailed profile analysis of hydrologic and contaminant properties near Plume 2 source area.
CS-WB04	July 2003 - August 2003	➢ Provides off-post data near impacted off-post private wells and near faults thought to affect the advance of Plume 2. ➢ Helps spatially distribute data for future modeling efforts.
CS-WB05 CS-WB06-LGR CS-WB07-LGR CS-WB08-LGR	July 2005 - November 2005	➢ These multi-port wells are used to support ongoing remedial activities at SWMU B-3. ➢ Provide information on UGR and LGR in SWMU B-3 area. ➢ WB05 is also completed through the BS and CC portions of the Middle Trinity aquifer in support of pumping and tracer testing being conducted as part of the remedial effort. ➢ Monitor subsurface throughout possible Plume 1 migration pathways from the source area. ➢ Provide continuous detailed profile analysis of hydrologic and contaminant properties near Plume 1 source area.
CS-MWG-LGR CS-MWH-LGR	June 2002 September 2002	➢ Monitor LGR in northern portion of CSSA, up-gradient of affected areas. ➢ Monitor LGR for potential contaminants entering CSSA from the north. ➢ CS-G is an existing agricultural/livestock well (see above) re-fitted with a new surface completion in June 2002. Re-designated as CS-MWG-LGR, the well is an open borehole completion through most of the LGR. ➢ CS-MWH-LGR is a replacement well for former well CS-H (see above). Provides a remote water supply well for livestock, wild game, and fire protection. Also used for groundwater monitoring.
CS-MW20-LGR CS-MW21-LGR	May 2006	➢ Provide additional data to characterize the gap between MW19-LGR, MW4-LGR, MW17-LGR, and CS-1. ➢ Monitor to understand and delineate the groundwater elevation mounding at MW4-LGR. ➢ Monitor to further define the shape of Plume 1. ➢ Monitor CS-MW21-LGR to determine the significance of Salado Creek as a conduit and determine if subsurface karst development has occurred in conjunction with Salado Creek.
CS-MW22-LGR	May 2006	➢ Monitor to further define the shape of Plume 1. ➢ Monitor for additional information for groundwater elevation data. ➢ Monitor to study a large throw fault extending across southern CSSA.
CS-MW23-LGR	May 2006	➢ Monitor to delineate upgradient VOCs near AOC-65, to support that no other VOC contamination source is present.
CS-MW24-LGR	May 2006	➢ Monitor the westward movement of Plume 1. Historical results indicate that Plume 1 may have a significant westward component. Concentrations in CS-D have increased while concentrations at MW16 have decreased.

Drilling Location	***Date Installed***	***Rationale***
		➢ Provide additional characterization data for the area of the plume which exceeds the MCLs toward Ralph Fair Road.
CS-MW25-LGR	May 2006	➢ Monitor the north-northeast margin of PCE/TCE/DCE concentrations detected around the CS-MW16 well location. This location is proximal to SWMU B-8 and AOC 41 ➢ Provide additional data for characterization of the plume midpoint between MW4-LGR and CS-1 and to further define the shape of Plume 1.
CS-MW26-UGR CS-MW27-UGR CS-MW28-UGR CS-MW29-UGR CS-MW30-UGR CS-MW31-UGR CS-MW32-UGR CS-MW33-UGR CS-MW34-UGR	May 2010 December 2009 May 2010 May 2010 April 2010 April 2010 April 2010 May 2010 May 2010	➢ Nine wells to provide data for a refined understanding of local groundwater occurrence and movement in the shallow Upper Glen Rose (UGR) groundwater around the bioreactor. ➢ Additional characterization of subsurface contamination related to past and present activities at SWMU B-3, and for other general monitoring of the ongoing bioreactor treatability study.
CS-MW35-LGR	March 2011	➢ Provides data for area southeast of Building 90 (AOC-65) and provide detection monitoring for public supply wells along southern post boundary.
CS-MW36-LGR	March 2011	➢ Provides data on the production interval of the LGR at the AOC-65 source area. Generally describes the contaminant condition of the production interval of the basal transmissive zone at the CSSA property boundary.
CS-MW37-LGR	March 2017	➢ Provides data for area southeast of Building 90 (AOC-65) and provide detection monitoring for public supply wells along southern post boundary. ➢ This well was drilled as a replacement to off-post well LS-1, which was plugged and abandoned by SAWS.
CS-12	February 2009	➢ A production well to supply CSSA with potable water, and is an open-hole completions fully penetrating throughout the thickness of the Middle Trinity aquifer. ➢ Well CS-12 will help alleviate the workload of wells CS-10 and CS-1 which provide CSSA with potable drinking water. It will replace the production of CS-9 and CS-11 which have been taken offline for various reasons. ➢ CS-9 is generally inactive and CS-11 is no longer used due to coliform contamination and ultimately, both wells were plugged in August 2015.
CS-13	April 2012	➢ A production well to supply CSSA with potable water, and is an open-hole completions fully penetrating throughout the thickness of the Middle Trinity aquifer. ➢ Well CS-13 will help alleviate the workload of wells CS-1, CS-10, and CS-12 which provide CSSA with potable drinking water. It will replace the production of CS-9 and CS-11 which have been taken offline for various reasons and were plugged in August 2015. ➢ The location in the southeast corner of the distribution system will mitigate low chlorine residuals in dead-end segments in the East Pasture, and provide non-existent fire protection to the range.
CS-EXW01-LGR CS-EXW02-LGR CS-EXW03-LGR CS-EXW04-LGR CS-EXW05-LGR	May 2009 June 2010 May 2011 June 2011 June 2012	➢ A series of cased-open borehole wells completed through the entire thickness of the Lower Glen Rose (LGR) at locations in, and around the bioreactor at SWMU B-3. The wells are used for contaminant monitoring, and to provide a source of groundwater for the bioreactor system. ➢ EXW01-LGR is located adjacent to the former SWMU B-3 trenches. EXW02-LGR is located adjacent to the former O-1 disposal pit to the south. EXW03-LGR is located west of the bioreactor within a large subsurface

Drilling Location	***Date Installed***	***Rationale***
		fracture network. EXW04-LGR is located to the southwest towards the Salado Creek flowpath. EXW05-LGR is located to the east in an upgradient position. Containment at the northern end of SWMU B-3 is covered by the MW16-LGR and –CC well pair. ➢ The wells are positioned around the Plume 1 source area to capture, and provide containment of VOC contamination originating from SWMU B-3. Each well is connected to a distribution system that pumps water to a centralized facility, which then re-injects the groundwater into the Bioreactor.
CS-B3-MW01	September 2005	➢ An injection well with screen interval set within the upper-most saturated interval within the Lower Glen Rose located on the north side of the Bioreactor. ➢ Utilized as the injection site of a conservative chemical tracer for a tracer study to determine connections between the SWMU B-3 source area and the CS-MW16 well cluster and for the injection of substrates for an enhanced anaerobic bioremediation pilot study ➢ This well currently serves as an injection well for substrates in support of corrective measures operations at the Bioreactor
CS-B3-MW02 CS-B3-MW03 CS-B3-MW04	February 2017 February 2017 February 2017	➢ Wells CS-B3-MW02 and -MW04 are ~250-foot-deep injection wells with 50-foot screens utilized for the application of substrates in support of Bioreactor corrective measure operations located on the west and east sides of the Bioreactor, respectively. ➢ Well CS-B3-MW03 is a shallow well utilized for injection of substrates within the UGR in support of Bioreactor corrective measure operations. This well is located adjacent to the Bioreactor, adjacent to trench 6.
AOC65-TSW01 AOC65-TSW02 AOC65-TSW03 AOC65-TSW04 AOC65-TSW05 AOC65-TSW06 AOC65-TSW07	June 2012 June 2012 June 2012 June 2012 June 2012 June 2012 June 2012	➢ Treatability study wells installed within the UGR and upper portion of the LGR to monitor contaminants within the shallow subsurface and monitor progress of corrective measure operations within AOC-65. ➢ Currently, all TSWs are permitted for use as injection wells for the application of ISCO chemicals. ➢ ISCO chemicals infused in paraffin wax are currently deployed in wells TSW-01 and TSW-05.
CS-AOC65-PZ01-LGR CS-AOC65-PZ02-LGR CS-AOC65-PZ03-LGR CS-AOC65-PZ04-LGR CS-AOC65-PZ05-LGR CS-AOC65-PZ06-LGR	July 2002 July 2002 July 2002 July 2002 August 2002 July 2002	➢ Piezometers were originally installed as well pairs to study groundwater flow within the Lower Glen Rose at AOC-65. Pairs consisted of a deep and shallow well. Pairs include: PZ01 and PZ06, PZ02 and PZ05, and PZ03 and PZ04. Pairs are installed within AOC-65 along the western fence line upgradient, downgradient, and within the source area. ➢ Currently, these piezometers are used as monitoring locations for ongoing *In-situ* Chemical Oxidation (ISCO) corrective measure operations at AOC-65.
CS-AOC65-SIW01 CS-AOC65-SIW02	April 2011 May 2011	➢ These wells were installed as part of the Steam Enhanced Extraction SVE treatability within AOC-65. These wells are open borehole installed within the Upper Glen Rose and included a steel stinger for the application of steam. These wells were used in conjunction with the operation of the SVE system to increase VOC volatility of contaminants with the addition of heat (steam) to the subsurface. Steel stingers were removed prior to ISCO chemical applications. ➢ Well SIW-01 is located within a concrete vault inside of Building 90 at AOC-65 and is currently used for the application of ISCO chemicals infused in paraffin wax. ➢ Well SIW-02 is located within the source area west of Building 90 and is used as a performance monitoring location for active corrective measures at AOC-65.

Drilling Location	***Date Installed***	***Rationale***
CS-AOC65-VEW13 CS-AOC65-VEW14 CS-AOC65-VEW15 CS-AOC65-VEW16 CS-AOC65-VEW17 CS-AOC65-VEW18 CS-AOC65-VEW19 CS-AOC65-VEW20 CS-AOC65-VEW21 CS-AOC65-VEW22 CS-AOC65-VEW23 CS-AOC65-VEW24 CS-AOC65-VEW25 CS-AOC65-VEW26 CS-AOC65-VEW27 CS-AOC65-VEW28 CS-AOC65-VEW29 CS-AOC65-VEW30 CS-AOC65-VEW31 CS-AOC65-VEW32 CS-AOC65-VEW33	June 2002 June 2002 August 2002 August 2002 August 2002 August 2002 August 2002 April 2007 April 2007 April 2007 April 2007 April 2007 April 2007 April 2007 April 2007 April 2007 May 2011 May 2011 May 2011 May 2011 May 2011	➢ These wells are installed within the Upper Glen Rose or within the upper portion of the Lower Glen Rose formation (excepting CS-AOC65-VEW28 which is installed within the middle portion of the Lower Glen Rose) positioned within the Plume 2 source area. ➢ The wells were initially components of a soil vapor extraction system designed to remove vapor-phase VOCs within the shallow subsurface. ➢ Since the SVE system shutdown, these wells have served as groundwater monitoring locations for ongoing *In-situ* Chemical Oxidation (ISCO) treatability study and corrective measure operations. ➢ Currently, all VEWs are permitted for use as injection wells for the application of ISCO chemicals. ➢ ISCO chemicals infused in paraffin wax are currently deployed in wells VEW-15, VEW-18, VEW-19, VEW-27, VEW-29, VEW-31 and VEW-32.
AOC65-IIW01 AOC65-IIW02 AOC65-IIW03 AOC65-IIW04	May 2013 May 2013 May 2013 May 2013	➢ A series of open borehole wells completed within the upper portion of the Lower Glen Rose (LGR) at 125’ below ground surface (bgs). ➢ These wells lie west of the suspected source area at AOC-65 adjacent to the CSSA fence line and serve as injection wells for the application of chemical oxidants to create a reactive curtain for the treatment of contaminants in groundwater before off-post migration