Baseline Biomonitoring of Springs Associated with the San Solomon Springs System

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Executive Summary

In October 2016 the Texas Parks and Wildlife Department (TPWD) convened the first Trans Pecos Oil and Gas Workgroup (TPOG) to discuss potential concerns related to a major oil and gas discovery (High Alpine Play) in the Delaware Basin in West Texas (Brewster, Culberson, El Paso, Hudspeth, Jeff Davis, Pecos, Presidio, Reeves, and Terrell Counties). Initially, the oil and gas discovery covered approximately 400,000 acres with estimates of 2,000 – 3,000 fracking well locations that would produce oil and gas for 20 plus years. The fracking process uses approximately 2 – 5 million gallons of water per well which could mean an estimated 4 – 15 billion gallons of water used over the course of the play. Six freshwater springs (San Solomon, Phantom Lake, East Sandia, West Sandia, Giffin, and Saragosa springs) issue forth surrounding the Balmorhea area (Reeves and Jeff Davis Counties) and there is concern that these springs are susceptible to impacts related to oil and gas activities. Additionally, a number of federally endangered and state threatened species (fish, invertebrates, and plants) exist in and around these springs.

The TPOG designed and implemented a biomonitoring plan to establish baseline conditions and track populations of endangered fish and invertebrates, and to monitor water quantity and quality of these springs. Field crews consisting of TPWD (Coastal and Inland Fisheries, Wildlife, and State Parks Divisions), United States Fish and Wildlife Service (USFWS), and Texas State University staff collected biological and water quality samples quarterly from March 2017 through December 2018 from four of the six abovementioned springs (San Solomon, Phantom Lake, East Sandia, and West Sandia springs). Data was collected to estimate populations of federally listed (FE), state threatened (ST), non-native (NN), and other focal (F) species. Commanche Springs Pupfish (FE), Pecos Gambusia (FE), Largesprings Gambusia (NN), Headwater Catfish (ST), Texan Tetra (F), Phantom springsnail (FE), Phantom tryonia (FE), Diminutive amphipod (FE), Red-rimmed melania (NN), and Quilted melania (NN) were sampled and population estimates were calculated. Hybridization of federally endangered and state threatened fish species is a concern and genetic information was collected for the Commanche Springs Pupfish, Pecos Gambusia, and Headwater Catfish.

Water quantity and quality parameters were sampled and measured quarterly in San Solomon, Phantom Lake, East Sandia, and West Sandia springs. Additionally, a United States Geological Survey (USGS) gaging station was re-established on San Solomon Springs in Balmorhea State Park in conjunction with a Texas Commission on Environmental Quality (TCEQ) Continuous Water Quality Monitoring station (CWQM) to measure water quality parameter (water temperature, pH, and specific conductance). Much of the habitat for the endangered and threatened species listed above are the cienegas associated with the springs. As the amount of water flowing from the springs decreases so does the amount of surrounding habitat. Since the re-establishment of the USGS gaging station on San Solomon Springs in Balmorhea State Park in 2017 flows have decreased. Water quality parameters measured via the CWQM station remained constant and other water quality parameters were in a range to support aquatic life.

Springflow protection measures must be implemented in order to protect these important natural and cultural resources. There are currently no springflow protection measures in the water availability models employed by the Groundwater Conservation Districts or Groundwater Management Areas in the Trans-Pecos region.

Introduction

The Trans-Pecos region of Texas, often defined as the portion of Texas that lies west of the Pecos River, includes nine counties (Brewster, Culberson, El Paso, Hudspeth, Jeff Davis, Pecos, Presidio, Reeves, and Terrell). It is a region of extremes where mountain ranges interrupt the Chihuahuan Desert, which is recognized as both the largest desert in North America and the most biologically diverse in the Western Hemisphere (NPS, 2021). With an average annual rainfall of only twelve inches, perennial water is derived primarily from freshwater springs sourced in local and regional aquifers.

Springs, such as San Solomon, Giffin, and East Sandia (Figure 1), contribute substantially to the region's water resources providing water primarily for irrigation and recreational purposes. These springs are also ecologically important as they provide habitat for numerous rare and federally listed endemic species and are a vital water source that sustains regional and migratory fish and wildlife species, especially in times of drought. The loss and decline of springs in the region have been well-documented (Brune 1975, Brune 1981, TWDB 2005; Garrett et al. 2020), most notably the loss of Comanche Springs in adjacent Pecos County, so concern exists regarding the potential impacts to groundwater resources associated with recent oil and gas discoveries and related water resource activities in Reeves and adjacent counties.

In Texas, groundwater management is achieved largely through the formation of local Groundwater Conservation Districts. The Reeves County Groundwater Conservation District (GCD) created by the Texas Legislature in 2013 (Senate Bill 890; Chapter 457, 83rd Texas Legislature, 2013), completed a management plan in 2018 that has limited options for managing groundwater withdrawals associated with oil and gas exploration. Under Texas Water Code Section 36.117(b)(2), a water well drilled solely to supply water for a rig that is actively engaged in drilling or exploration for an oil and gas well is exempt from GCD groundwater permitting. However, a GCD may impose certain requirements on such water wells to minimize or mitigate negative impacts, such as spacing and well casement construction requirements (Texas Water Code Section 36.116 and 36.117 (h)). The recently formed Reeves County GCD may also incorporate some springflow goals or metrics into management plans to protect regional springs and groundwater resources.

Figure 1. Location of springs in Balmorhea and Fort Stockton area.

Springflow protection is a challenge for large regional spring systems, such as in the Toyah basin, because the recharge zone, flow paths, and spring locations generally encompass several counties, meaning coordination between GCDs is required. Such coordination generally occurs through Groundwater Management Areas (GMA), which are areas designated and delineated by the Texas Water Development Board (TWDB) that generally follow the boundaries of major aquifers. GCDs within a GMA are required to periodically coordinate and define groundwater availability for groundwater resources in the GMA. These groundwater availability numbers are then used in Regional Water Planning activities. For the most part, springflow protection in Texas is initiated at the GCD level but is achieved through the GMA process by defining minimum or average springflow goals as part of defined "desired future conditions" (DFC) that drive groundwater availability. This has generally been achieved by defining springflow goals and developing groundwater models capable of simulating the impacts of groundwater withdrawals on springflows, although this is not required. A groundwater model capable of simulating springflows in the Balmorhea area springs (East Sandia, West Sandia, San Solomon, Phantom Lake, Saragosa and Giffin springs) is yet to be developed and there are currently no defined springflow metrics or goals related to maintaining an average or minimum flow.

A closer look at potential water demand for oil and gas activities in Reeves County alone in relation to modeled available groundwater numbers approved by GMA 3 (Boghici 2018) indicates water availability is not limiting. The previously mentioned maximum estimate of water use (with assumptions) for oil and gas activities was 46,033 acre-feet total and the modeled available groundwater for the Edwards Trinity and Pecos Valley aquifers in Reeves County alone is 189,744 acre-feet per year and 420,541 acre-feet per year in GMA 3 as a whole (Crane, Ward, Winkler, Loving, Reeves, and part of Pecos counties). While this suggests water availability is more than sufficient to meet the demand for oil and gas activities, it is unclear what impact groundwater withdrawals as a whole (municipal, irrigation, oil and gas, and other uses) will have (or have had) on springflows.

It is likely the impact withdrawals will have on the Balmorhea area springs (BAS) is largely dependent on the volume, duration, frequency, and location of the withdrawals. Based on what is known about the flow system of these springs, it appears activities outside of Reeves County and the boundaries of its GCD and GMA may have impacts on springflows. The BAS and Reeves County GCD are in GMA 3, which was largely delineated by the Edwards Trinity and Pecos Valley aquifers (Figure 2). While the BAS issue from the Pecos Valley alluvium where the Cretaceous Edwards formation is exposed, its flow system appears to also be influenced by the Capitan Reef, West Texas Bolson, Rustler, and Igneous aquifers that are managed by various GCDs and are a part of GMA 4 (White et al. 1941; Sharp 1997; Sharp and Uliana 1998; Uliana 2000; Uliana and Sharp 2001; Chowdhury et al 2004; Mace 2005; TWDB 2005; Uliana et al. 2007, Ewing et al 2008; Ewing et al 2012). As such, coordination between several GCDs and two GMAs will likely be required to effectively protect these springflows.

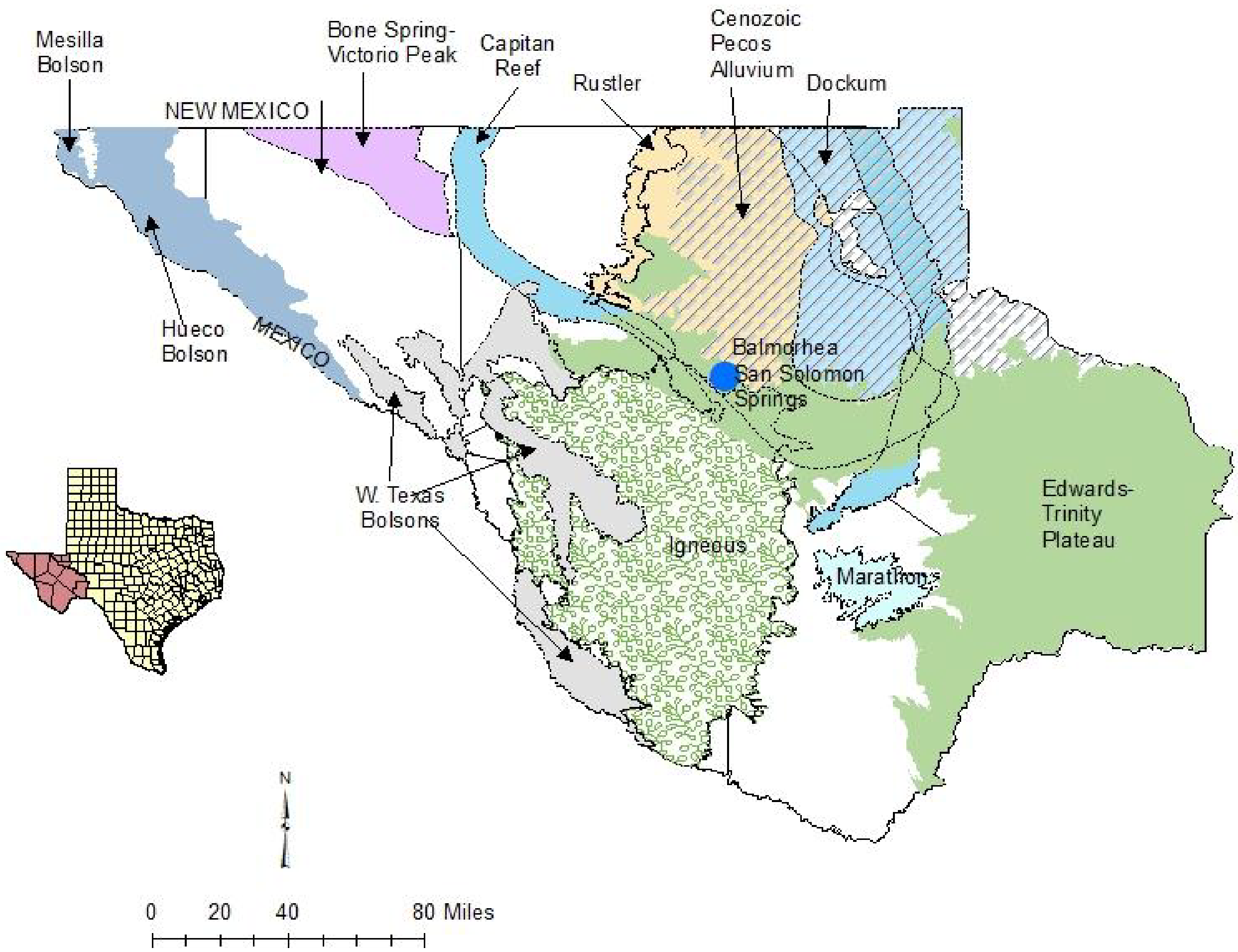

Figure 2. Aquifers of Far West Texas, with location of Balmorhea area springs depicted.

Over the last few decades, springflow protection efforts in Texas have been largely driven by concerns regarding potential impacts to federally endangered species, with the Edwards Aquifer (Balcones Fault Zone) in Central Texas perhaps being the most well-known. Large, regional springs often support a high proportion of rare and endemic species, many of which are only found in Texas and represent an important part of the state's natural heritage. In total, there are ten federally endangered species and several rare species (Table 1) associated with the BAS and there may be other undescribed endemic species as well. Currently, there are no springflow requirements or minimum flows that were defined as necessary to protect these species or their spring habitats and as of January 2017, there were no coordinated continuous biological monitoring efforts.

Table 1. Federally-listed, state-listed, and rare species associated with freshwater springs in Reeves and neighboring counties (FE – Federally endangered, FT – Federally threatened, FC – Federal candidate for listing, and StT – State threatened).

Species	Status	Spring system
Comanche Springs Pupfish (*Cyprinodon elegans)*	FE	San Solomon, Phantom Lake
Pecos Gambusia (*Gambusia nobilis*)	FE	San Solomon, Phantom Lake, Diamond Y
Phantom springsnail (*Pyrgulopsis texana*)	FE	San Solomon, Phantom Lake
Phantom tryonia (*Tryonia cheatumi)*	FE	San Solomon, Phantom Lake
Diminutive amphipod (*Gammarus hyalelloides*)	FE	San Solomon, Giffin, East Sandia, Phantom Lake
Leon Springs Pupfish (*Cyprinodon bovinus*)	FE	Diamond Y
Diamond tryonia (*Pseudotryonia adamantina*)	FE	Diamond Y
Gonzales tryonia (*Tryonia circumstriata)*	FE	Diamond Y
Pecos amphipod (*Gammarus pecos)*	FE	Diamond Y
Pecos assiminea (*Assiminea pecos*)	FE	Diamond Y, East Sandia
Pecos sunflower (*Helianthus paradoxus*)	FT	Diamond Y, East Sandia, Phantom Lake
Pecos Pupfish (*Cyprinodon pecosensis*)	FC	Salt Creek
Rio Grande Chub (*Gila Pandora*)	StT	Little Aguja Creek
Headwater Catfish (*Ictalurus lupus*)	StT	San Solomon, Central Texas, West Texas
Roundnose Minnow (*Dionda episcopa*)	StT	San Solomon, West Texas

The rare and endemic species associated with springs, such as San Solomon Springs, have evolved in and are adapted to the hydrologic stability in water quality and quantity characteristic of most perennial springs. In many cases, the distribution of spring endemics is restricted to the area very near the spring source and the overall range may be limited to only one or two spring systems. In addition, springflow is the principal variable controlling the amount of suitable habitat available for these species (Hynes 1970, Ward and Stanford 1979). **The combination of these factors makes these species and their populations highly vulnerable to alterations in springflow.** For example, the Comanche Springs Pupfish (*Cyprinodon elegans*) prefers shallow ciénega (spring-fed marsh) habitats that are easily dewatered as springflows and water elevations decline. Similarly, the distribution of Pecos sunflower (*Helianthus paradoxus*) is directly related to the amount of soil moisture present, which is in turn dependent upon the volume of springflow emanating from the springs (Bush 2006, Grunstra and Auken 2007).

While water quantity is a concern and defining springflow protection measures are important, water quality is equally important and inextricably linked to water quantity. Non-conventional oil and gas activities generate wastewater that is very high in total dissolved solids (TDS) (10,000-100,000 mg/L) and often contains heavy metals such as arsenic, and other pollutants. This waste is commonly referred to as "produced water" and it is often suitable for reuse to some extent but is eventually disposed of through deep injection wells. These wells are used to inject waste into deep geologic units already containing saltwater, but pressure that builds up as a result is a major concern as faults and fractures provide potential migration points for pollutants to enter overlying aquifers and/or emerge through surface features such as springs or old abandoned wells. Concern exists that pollutants could migrate into the San Solomon Springs flow system and potentially impact endangered, endemic, and common species supported by the springs and/or affect the recreational and irrigation uses provided by the spring discharge.

As the Texas state agency charged with the primary responsibility for protecting the state's fish and wildlife resources and as the stewards of Balmorhea State Park, the Texas Parks and Wildlife Department (TPWD) formed the Trans-Pecos Oil and Gas (TPOG) Workgroup to research and potentially address environmental concerns related to the increasing oil and gas activity near the state park. Following two workgroup meetings with presentations on subjects pertinent to the rare species in the area and non-conventional oil and gas activities and several smaller subcommittee meetings addressing details of a biomonitoring plan, the San Solomon Springs Biomonitoring Plan was completed (Norris 2018). This manuscript presents the findings from two years of biomonitoring that resulted from the recommendations developed in those meetings.

Study Area

The Balmorhea area springs (BAS) are located at the western edge of the Edwards Plateau and consists of six springs distributed over a 13-km long northeast-southwest trending area that extends across the town of Balmorhea, Texas from roughly the foothills of the Davis Mountains to the Toyah Basin. The system is comprised of San Solomon, Giffin, Phantom Lake, East Sandia, West Sandia, and Saragosa springs (White et al. 1941). The springs issue from Cretaceous age rocks of the Edwards-Trinity Aquifer and overlying alluvial material. The springs associated with the system vary in the volume of water they produce and thus, the extent and types of habitat they sustain also varies. While discharge from San Solomon, Giffin, and East Sandia springs have declined, they have reportedly never ceased to flow. However, Saragosa, West Sandia, and Phantom Lake springs have reportedly ceased to flow during dry times (TWDB 2005), but flow has and continues to return during wet times and following heavy rainfall events. Recognizing that the larger BAS system includes several springs that provide habitat for one or more of the rare species, it was recommended by the TPOG Workgroup to include all of the springs in the system that could be accessed in biomonitoring efforts to establish a thorough baseline that will best inform management decisions for the species and not just San Solomon Springs and Balmorhea State Park. Because of access issues, Saragosa and Giffin springs were not included in biomonitoring efforts, the latter of which is located across the road from San Solomon Springs and likely sustains similar habitats and species. As mentioned previously, Saragosa Springs is known to have ceased flowing, which may have resulted in the extirpation of rare species from that spring system. A description of the springs included in the study follows.

San Solomon Springs

San Solomon Springs (Figure 3) is by far the largest spring in the Balmorhea Area Springs system (and region) with a mean discharge of 29.5 cfs from 1920-2016. A considerable amount of work has been done to define and characterize the flowpaths and hydrogeologic setting of the San Solomon Springs system (White et al. 1941, Sharp 1997, Sharp and Uliana 1998, TWDB 2005, Uliana and Sharp 2001, Uliana et al. 2007), but substantial questions remain unanswered in regard to the source of water that emerges at San Solomon Springs. Like other large spring systems in the state with persistent flow, it is most likely that the San Solomon Springs system receives water from both local and regional sources. Much more research is needed to better understand the hydrogeologic setting of the BAS system, including defining the aquifers associated with the flow system, the extent of the "springshed" or contributing and recharge zones, the major features and flow zones of the system, how geologic structural conditions affect flow, and the sustainable yield of the associated aquifers, among other aspects.

Figure 3. San Solomon springs in Balmorhea State Park.

San Solomon Springs has not ceased to flow in recorded history, but diminished springflow in the system has been documented, with Phantom Lake Springs ceasing to flow consistently in 1999 (Ashworth et al. 1997, TWDB 2005). Discharge at San Solomon Springs was measured by the USGS with varying regularity since 1920. Most of the historical discharge data is limited to periodic bi-monthly or quarterly field measurements, but continuous daily discharge data was recorded from March 1941 through September

1965. Summary statistics (Table 2 and Figure 4) and long-term trends of this dataset suggests discharge at San Solomon Springs is declining, but data is sporadic and sparse.

Table 2. Summary statistics of historical San Solomon Springs discharge (Q) in cubic feet per second (cfs) for six periods as reported from periodic field measurements and daily gaging station data at United States Geological Survey (USGS) gaging station 08427500. n = number of manual discharge measurements.

Time Period	n	Mean	Median	Std Dev	Min	Max
1920-1936	30	34.40	34.30	3.1	26.5	40.6
1931-1933	823	40.20	36.00	10.1	30	17
1941-1965	8978	33.60	30.50	3.5	26	71
1965-1986	337	29.90	28.40	6.7	17.6	83.2
2001-2016	92	25.90	25.50	4.8	13	46.9

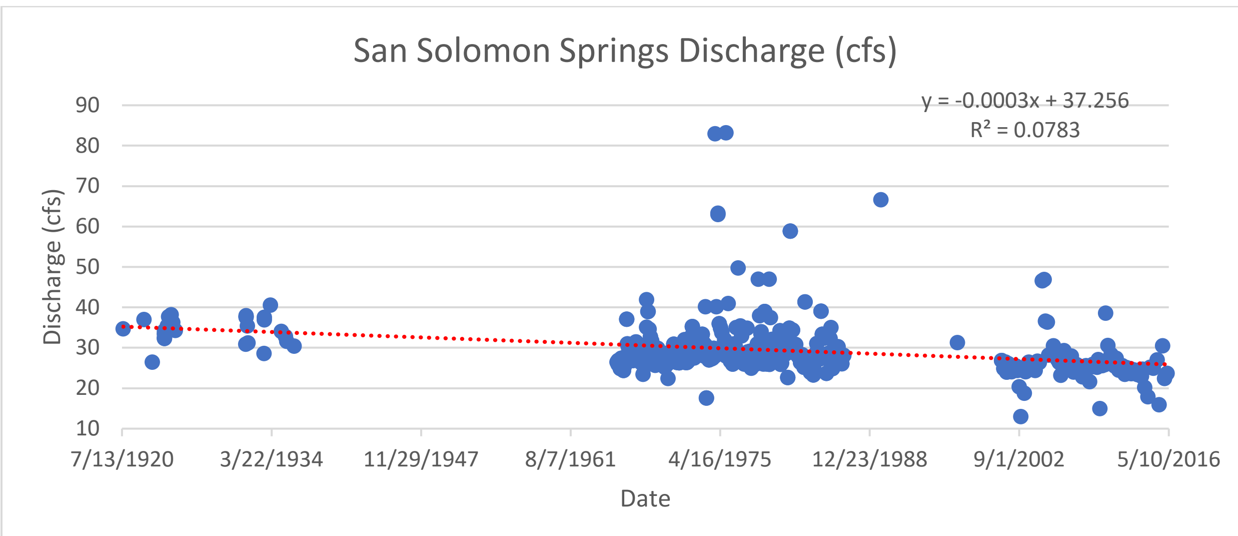

Figure 4. Summary of USGS quarterly discharge measurements at USGS gaging station 08427500 San Solomon Springs at Toyahvale, TX from 1920-2013.

San Solomon Spring issues entirely within Balmorhea State Park (Figure 5) where the springs feed a 1.3-acre pool that is up to 25 feet deep and holds 3.5 million gallons of water. Outflow from the pool primarily occurs through one of two canals that direct water toward additional canals where water can be diverted for irrigation purposes or to Lake Balmorhea for storage. Under baseflow conditions, spring discharge maintains relatively consistent temperatures (25-26° C) and high specific conductance (i.e. total dissolved solids) (~2100 ppm) that are consistent with a regional flow system (Uliana et al. 2007).

Historically, the outflow from San Solomon Springs formed a large desert wetland, referred to as a ciénega. However, human alteration to the natural system for irrigation and recreation purposes destroyed the wetland habitats leaving concrete irrigation canals and a pool as the primary aquatic habitats. In an attempt to improve habitat for the endangered species, a small refuge canal approximately 120 m in length was constructed within Balmorhea State Park in 1974 (Echelle and Hubbs 1978). Garrett and Price (1993) showed wide variation in pupfish population estimates (968 in May 1990 and 6,480 in September 1990) for the refuge canal during a two-year study, suggesting instability in the population.

Figure 5. Google Earth view of Balmorhea State Park with location of San Solomon Springs main spring orifice depicted.

To provide a more “natural” habitat and promote successful conservation of the Comanche Springs Pupfish and Pecos Gambusia, TPWD through a cooperative effort with private, state, and federal entities created the San Solomon Ciénega (Figure 5) within the boundaries of the state park in 1996 (Garrett 2003). The ciénega is an attempt to recreate a natural desert wetland and although it does not contain spring orifices, it is fed by spring outflow diverted from and returned to irrigation canals. The intent of recreating the wetland was to provide a more natural habitat with viable ecosystem level processes that promote population stability. The two endangered fish species have indeed flourished as the San Solomon Ciénega reportedly contained the largest known concentration of Comanche Springs Pupfish and a viable population of Pecos Gambusia (Hargrave et al. 2013). Based on the success of the San Solomon Ciénega and a need to redirect a problematic portion of existing refuge canal, in 2009 TPWD created a smaller “natural” wetland named the Hubbs Ciénega (Figure 5). The Hubbs Ciénega was essentially constructed on channel with the refuge canal providing inflow from and outflow to the main irrigation canal in the state park.

A few efforts were directed at the Comanche Springs Pupfish and Pecos Gambusia over the years, including those related to Recovery Plans (Hubbs et al. 1981, Hubbs et al. 1983), reproduction and behavior (Brannan et al. 2003) and biomonitoring of population dynamics (Garrett and Price 1993, Hargrave et al. 2013). While the fish populations of San Solomon Springs have received attention in scientific literature, less is known about the aquatic macroinvertebrate community. While much work was done defining the taxonomic status of the endangered invertebrates associated with the region (Cole 1976, Cole 1985, Hershler and Landye 1988, Hershler et al. 1999, Gervasio et al. 2004, Hershler et al. 2010), little effort has been given to monitoring population dynamics or habitat associations of the invertebrates at San Solomon Springs. Rogowski (2012) attempted to estimate densities and habitat associations of the Phantom springsnail (*Pyrgulopsis texana*) and the Phantom tryonia (*Tryonia cheatumi*) as well as two exotic snails (*Tarebia granifera* and *Melanoides tuberculatus*). However, the study was limited to visually estimating densities within quadrats to minimize disturbance to the species. Given the small size of the endangered snails, the accuracy of visual estimates is questionable at best and quantitative data are needed.

Phantom Lake Spring

Phantom Lake Spring is the westernmost spring associated with the BAS and its surface outlet, Phantom Lake, stands at the highest elevation of the spring orifices in the system, making it more susceptible to impacts from changes in groundwater levels (TWDB 2005). The spring is located very near the county line in Jeff Davis County as opposed to Reeves County where the other springs associated within the BAS are located. Brune (1981) described Phantom Lake Spring as "the largest spring in the county (i.e. Jeff Davis)…which pour from a lower Cretaceous limestone bluff". The spring was reportedly discovered in 1855 or '56 as a 70-meter-long pool was seen by several parties, but could not be relocated a second time, so it was aptly named Phantom Lake (Brune 1981). Phantom Lake Spring has historically displayed great variation in discharge and water quality (Brune 1981) and as previously mentioned, ceased to flow perennially in 1999 (TWDB 2005) and now only produces water from the cave during times of abundant rainfall. While discharge following heavy rainfall events has been reported by locals and observed by the authors, no discharge has been reported in periodic discharge measurements (n=31) made by USGS staff since 2010.

Phantom Lake Spring and Cave are owned by the US Bureau of Reclamation (BOR), which purchased the property during World War II to have water for irrigating crops that were used to feed soldiers stationed in the area. The US BOR purchased and built a refugium canal and pool in 1993 to protect the Comanche Springs Pupfish and Pecos Gambusia populations that depend on its flow (Young et al. 1994). After flow ceased in 1999, the US BOR installed a pump system in the cave to maintain aquatic habitat at the surface. In 2011, the USFWS moved the pump system further back in the cave in response to lowering water levels and reconfigured and improved the refuge pool at the surface in an attempt to improve habitat for the two endangered fish species as well as the three endangered invertebrate species that were proposed for listing as federally endangered (and subsequently listed as endangered in 2013). The surface habitat essentially acts as an *in-situ* refugium for the federally listed species that currently and historically inhabited the spring.

The water in Phantom Lake Spring arises from submerged passages that are some 2.5 km in length and extend to a depth of 140 meters, making it the deepest underwater cave in the US (Veni 2013). Dye trace studies performed by the National Cave and Karst Research Institute indicate water in Phantom Lake Spring is the principal source of water for San Solomon Springs. Dye injected into the Phantom Lake Spring orifice arrived less than six days later at San Solomon Springs, demonstrating a mean flow rate greater than 1,000 meters/day, likely due to the karstic nature of the aquifer system (Veni 2013).

*Figure 6. Phantom Lake Spring. (a) surface habitat and(b) inside cave looking out. *Note the hoses running from pumps in cave to surface out the mouth of cave.*

Biological collections at Phantom Lake Spring and Cave are sparse in the literature and have primarily focused on the two endangered fish species (Winemiller and Anderson 1997, Hubbs 2001, Lewis et al. 2013, Hargrave 2014) and one report on the invertebrate community (Stanislawcyck et al. 2018).

East and West Sandia springs

East and West Sandia springs are owned by the Texas Chapter of The Nature Conservancy and are reportedly perennial but produce a relatively small amount of water in comparison to San Solomon Springs. Brune (1981) reported a maximum discharge value for Sandia Springs at 125 liters/second (lps) in 1945. In 1976, discharge was recorded at 14 lps from East Sandia Spring and 7 lps from West Sandia Springs. East Sandia Springs issue from alluvial silt, sand and gravel, but the water might be derived from the underlying Comanchean limestones (Brune 1981). East Sandia Springs issue within a poorly defined channel at the base of the western slope of the Brogado Hills forming a series of small open water pools that outflow into a shallow, heavily vegetated channel flowing to the north. West Sandia Springs is smaller in size than East Sandia Springs and was described by locals as producing only "enough water to get a hog's belly wet." The spring and its associated channel were not visible in aerial images or easily seen from land due to dense vegetation including *Phragmites* and sedges as tall as 10-12 ft. West Sandia Springs was not initially included as a sample location given its description. However, extensive effort was made to locate the headwaters of West Sandia Springs and associated aquatic habitats prior to beginning biomonitoring efforts. In the Fall of 2016, a series of small sandy boils were located at the headwaters of West Sandia Springs and an outflow channel with dense vegetation was identified flowing for approximately 150 m. Given the discovery of flowing water, it was decided to add West Sandia Springs as a study site.

*Figure 7. East and West Sandia springs. a) A headwater pool at East Sandia Springs *Note white sandy boil area in bottom of pool and b) Dense Phragmites surrounding the channel at West Sandia Springs. *Note the biologist standing in the channel amongst the vegetation.*

Prior to this study, little work was done involving the biological communities of East or West Sandia springs. No biological studies related to West Sandia Springs were found, perhaps because it was reported to produce little to no water. A number of fish and macroinvertebrate studies have included populations from East Sandia Springs focusing on defining the taxonomic status of the endangered invertebrates associated with the region (Cole 1976, Cole 1985, Hershler and Landye 1988, Hershler et al. 1999, Gervasio et al. 2004, Hershler et al. 2010). Additional studies of the biota include Seidel et al. (2010) who studied the salinity tolerance of *Gammarus* species in the Chihuahuan Desert springs including San Solomon Springs and East Sandia Springs as a means of describing speciation and Sei et al. (2009) investigated water quality and genetic diversity among amphipods and Pecos Gambusia in San Solomon Springs and East Sandia Springs.

Species of Interest

Biological communities are subjected to the cumulative effects of all activities that impact water quality and habitat conditions and are continually integrating environmental conditions over time. Monitoring of the biological communities in a waterbody is perhaps the most effective and direct measure of its integrity (Karr et al. 1986, Barbour et al. 1999, Karr and Chu 1999). Biological monitoring involves measuring and evaluating the condition of a living system and then tracking the biota's health and status. This typically involves establishing a baseline of biological community structure for some period (generally 2-3 years) and then periodic monitoring to track and evaluate the health and status of the biological community through time. Biological monitoring, or biomonitoring, programs are often employed as a part of surface water quality assessments and regulatory compliance and as "before and after" assessments of proposed projects (US EPA 2000, TCEQ 2012a, TCEQ 2012b). Biomonitoring programs have also been used as a means of compliance with Habitat Conservation Plans for federally endangered species (EARIP 2012, Dries et al. 2013) and to guide recovery plans for endangered species (Campbell et al. 2002).

In order to gather the most thorough baseline data, it was decided that biological monitoring efforts should include the entire biological community and not just the rare species. However, the rare, federally-listed fish and macroinvertebrate species are of primary interest as are two exotic snail species whose presence represents a threat. A brief description of these species and their life histories follows.

Comanche Springs Pupfish (Cyprinodon elegans)

Comanche Springs Pupfish (Figure 8) is a federal and state listed species and is restricted to several springs in the BAS. Comanche Springs Pupfish formerly occurred in Comanche Springs in Fort Stockton but was extirpated when the spring dried (Garrett et al. 2002). The species is threatened with extirpation at Phantom Lake Spring as water at the constructed ciénega is artificially supported with a pump. Comanche Springs Pupfish remains at Phantom Lake Spring, local irrigation canals, Giffin Spring, East and West Sandia springs (uncommon in this study), as well as San Solomon Springs and the associated artificial San Solomon and Hubbs ciénegas. A hybridized population exists at Balmorhea Lake. The species is threatened across its range by loss of habitat, loss of spring flow, and hybridization with Sheepshead Minnow (*Cyprinodon variegatus*). The diet of Comanche Springs Pupfish consists of filamentous algae and snails (Winemiller and Anderson 1997). Breeding season occurs during the spring and summer when the males create and defend territories to guard their nest and fertilized eggs (Itzkowitz 1969). Hargrave et al. (2013) observed three age classes in Balmorhea State Park populations.

Figure *8*. Comanche Spring Pupfish, *Cyprinodon elegans*, with elastomer marking for mark recapture study.

Pecos Gambusia (Gambusia nobilis)

Pecos Gambusia (Figure 9) is a federal and state listed species with a historic range throughout the Pecos River basin in Texas and New Mexico. Today the species exists in Texas at Diamond Y Spring near Fort Stockton and within the BAS at Phantom Lake Spring, San Solomon Spring, Sandia Springs, and Giffin Spring (Hubbs et al. 2002). The range was reduced as a result of habitat loss, changes in water quality and quantity, and hybridization with Largespring Gambusia (*Gambusia geiseri*). Echelle and Echelle (1980) described the occupied habitat of Pecos Gambusia as springs, spring runs, and ciénegas. They also documented the species persisting in the irrigation canals of the Balmorhea/Toyahvale area. Pecos Gambusia were thought to occupy different habitats than Largespring Gambusia (Hubbs et al. 1995), but this study showed overlap and hybridization in each Texas population. Hubbs et al. (1978) documented the species consuming invertebrates largely consisting of amphipods.

Figure 9. Pecos Gambusia, Gambusia nobilis.

Headwater Catfish (Ictalurus lupus)

Headwater Catfish is a state listed species with a range in New Mexico, central and western Texas, and extending into Mexico. The species is threatened with changes in water quality and quantity, habitat loss, and hybridization with introduced Channel Catfish (*Ictalurus punctatus*). The species is extirpated from portions of its range (Kelsch and Hendricks 1990) but persists in isolated, spring fed creeks in central and west Texas (Garrett et al. 1992, Edwards et al. 2002, Bean et al. 2011, Parker et al. 2021). Little is known about the life history of Headwater Catfish. The species has been documented to occur in spring-fed streams favoring faster moving water and undercut banks (Bonner et al. 2005).

Figure 10. Headwater Catfish, Ictalurus lupus.

Phantom springsnail (Pyrgulopsis texana) and Phantom tryonia (Tryonia cheatumi)

The Phantom tryonia (*T. cheatumi*) and the Phantom springsnail (*P. texana*) (Figure 11) are aquatic snails in the families Cochliopidae and Hydrobiidae, respectively. These families make up the largest and most diverse group of freshwater snails in North America, consisting of more than 285 species across more than 35 genera (Hershler et al. 1998, Brown et al. 2008), with over three-quarter of species considered at risk of extinction due to their narrow endemic ranges and recent reductions in habitat due to groundwater pumping (Thorp and Rogers 2011, Johnson et al 2013). It is hypothesized that the historical distribution of the Phantom Springsnail and the Phantom Tryonia were not greater than their current range distributions, but it is likely that they occurred in springs across the BAS that have ceased to flow (USFWS 2013).

Both snail species are fully aquatic and respire through an internal gill. Lifespan of these two species is likely about12 months (Taylor 1985; Pennak 1989; R. Gibson, USFWS, *pers. obs*.). Both snail species are sexually dimorphic (females tend to be larger than males) and likely reproduce multiple times over their lifespan (Brown 1991). *Pyrgulopsis* snails lay a singular egg capsule on a hard surface (Hershler 1998), whereas *Tryonia* are ovoviviparous (Brusca and Brusca 1990; Hershler and Sada 2002). Both snail species are thought to graze biofilms attached to substrates.

Figure 11. Phantom springsnail, Pyrgulopsis texana (left) and Phantom tryonia, Tryonia cheatumi (right) grazing on stalks of muskgrass (Chara sp.).

The Phantom springsnail was first described by Pilsbry (1935) and eventually placed in the genus *Pyrgulopsis* (Hershler et al. 2010). It is small (0.9 – 1.3 mm in length; Dundee and Dundee 1969; WH Nowlin, *pers. obs*.) with a distribution limited to outflows from the San Solomon Springs system (i.e., San Solomon, Phantom, East Sandia, and possibly Giffin springs) (Hershler et al. 2010; Lang 2011). Although the geographic distribution of the Phantom springsnail is limited, it can reach extremely high densities in the systems in which it occurs (>50,000 individuals/m^2) (Lang 2011; Bradstreet 2012). Data from the field and laboratory indicate that the Phantom springsnail may prefer harder benthic substrates that are gravel sized (1-4mm) or larger (Bradstreet 2012).

The Phantom tryonia was first described by Pilsbry (1935) and eventually placed in the genus *Tryonia* (Taylor 1987). The Phantom tryonia is also relatively small (3 – 4 mm in length) (Taylor 1987) and occurs in outflows from the San Solomon Springs aquifer system (Allan 2011; Lang 2011). Densities of the Phantom tryonia can be moderate-to-high at the locations of its occurrence (300 to 30,000 individuals/m^2) (Lang 2011), but its densities tend to be highest near spring orifices/sources (Allan 2011).

Diminutive amphipod (Gammarus hyalelloides)

The diminutive amphipod, *Gammarus hyalelloides*, was first described by Cole (1976), receiving its common name because its body size (5–8 mm in length) is among the smallest North American species in the genus (Cole 1976; USFWS 2013). The diminutive amphipod is a member of the *Gammarus pecos* species complex – a group of closely related species that occur in desert springs in west Texas and New Mexico (Lang et al. 2003; Gervasio et al. 2004); however, results from a recent study suggests that the gammarids from East Sandia and San Solomon springs may represent and undescribed species (Adams et al. (2018) It is thought that the diminutive amphipod's geographic distribution was not likely to be larger than its current distribution, but the number of sites in which it occurs has declined (USFWS 2013). It is known to occur at four locations (San Solomon, Giffin, East and West Sandia, and Phantom Lake springs) within BAS (Gervasio et al. 2004). Its density varies considerably across its occurrence locations, ranging from 165 – 6,800 individuals/m^2 (Lang et al. 2003).

Many freshwater gammarids live for approximately one year and females reproduce at least once in their lifetime, producing 15 – 50 offspring per brood (Smith 2001). Like many gammarids the diminutive amphipod is found in a variety of well-oxygenated habitats, including the interstitial spaces between rocks and gravel and in macrophyte beds (Cole 1976; Lang et al. 2003). Gammarids are typically considered omnivorous, consuming benthic resources composed of algae and detritus and are known to be cannibalistic (Smith 2001).

Figure 12. Diminutive amphipod, Gammarus hyalelloides.

Red-rimmed melania (Melanoides tuberculatus) and Quilted melania (Tarebia granifera)

Melanoides tuberculatus and *Tarebia granifera* (both in Thiaridae) (Figure 13) are well-known non-native species that have invaded a variety of systems across Texas and the USA (Karatayev et al. 2009; Bowles and Bowles 2017). *Melanoides tuberculatus* is native to the Middle East and East Africa, but now has populations across North America (Murray 1964), the tropics (Pointer 1999), South America (Pointier et al. 1994; De Marco 1999) and French Polynesia (Pointier & Marquet 1990). The quilted melania is native to southeast Asia, India, the Philippines, Japan, and Hawaii (Abbott 1952), but is now introduced to aquatic systems across the tropics and subtropics. In Texas, these two species were introduced to springs and spring-influenced river systems (Karatayev et al. 2009; Bowles and Bowles 2017). The tropical origin of both species and limited thermal tolerances have made the physico-chemical constancy of spring systems ideal locations for their invasion (Karatayev et al. 2009). The initial introduction of these melania species to the region was likely through the aquarium and ornamental plant trades (e.g., people dumping unwanted aquarium contents into local springs/rivers), and then secondarily spread through transport on unsterilized scientific equipment to remote spring habitats (Karatayev et al. 2009).

The red-rimmed melania invaded spring-dependent systems in Texas sometime before 1963 (Abbott 1973) and was first noted in the San Solomon Springs system in the late 1970s (Karatayev et al. 2009). The red-rimmed melania is detritivorous/algivorous (Pound et al. 2011), lives approximately 2 – 3 years (Vogler et al. 2012), and can reproduce through parthenogenesis or sexually. The red-rimmed melania is oviparous, with the young hatching inside the mother's brood pouch. The quilted melania likely invaded Texas spring systems in the 1930s or 1940s (Karatayev et al. 2009), but the time of its introduction to the San Solomon Springs systems is not known. The quilted melania is trophically similar to the red-rimmed melania (WH Nowlin and N Noreika, Texas State University, unpubl. data) and its lifespan is likely similar. The quilted melania also reproduces parthenogenetically or sexually and is oviparous.

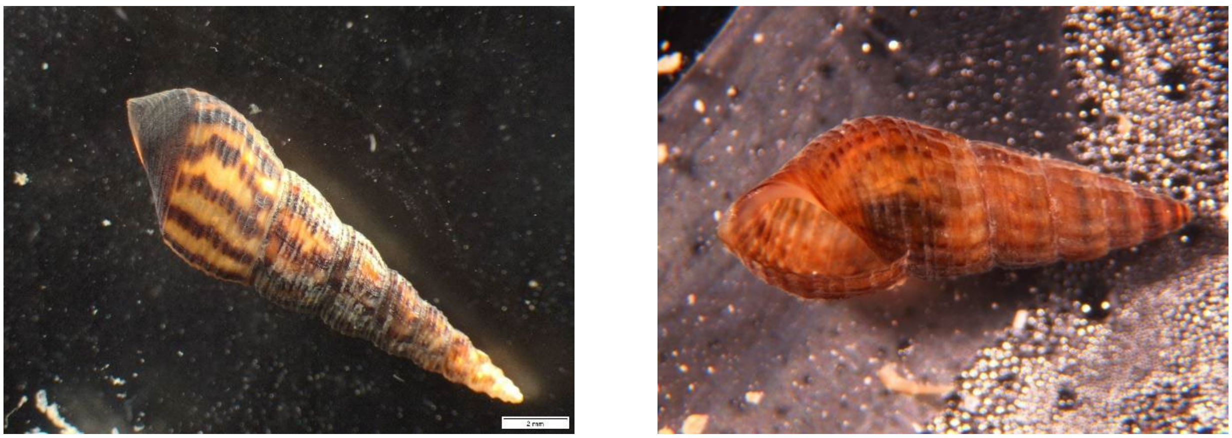

Figure 13. Red-rimmed melania, Melanoides tuberculatus (left), and Quilted melania, Tarebia granifera (right).

Introduction of non-native snails often has serious deleterious consequences for populations of native organisms and for ecosystem functions (Hall et al. 2003). In particular, the red-rimmed and quilted melanias are known to displace native snail fauna post-introduction (Pointier et al. 1994; Appleton et al. 2009; Rader et al. 2003) through competition for resources or habitat space; however, the degree of overlap in habitat and/or resource requirements between the two non-native snails and the native springsnail fauna remains unknown. In addition, grazing activities by the quilted melania in highly invaded systems can alter nutrient cycling and ecosystem functions (Moslemi et al. 2012), but the effects of melania invasion on the ecosystem functioning of the San Solomon Springs systems is not known.

Methods

Fish

Fish are a vital component of any aquatic biomonitoring program as they are good indicators of ecosystem health and habitat conditions. Because a variety of trophic levels and tolerances are represented in a fish community, the structure of the community reflects ecosystem health. Biomonitoring plans are important tools when federally listed endangered species and rare species are involved. Biomonitoring plans have been used for compliance with the Endangered Species Act (EAHCP 2012), as a means of assessing take of federally listed species, and as a means of characterizing natural variation in populations (Nichols and Williams 2006, Dzul 2011).

The fishes of the BAS have received some attention over the years, including genetic analysis (Stevenson and Buchanan 1973, Echelle et al. 1987, Edds and Echelle 1989, Echelle and Echelle 1994), reproductive and behavioral studies (Brannan et al. 2003), observational reports (Itzkowitz 1969), and status surveys (Garrett and Price 1993, Hargrave et al. 2013, Lewis et al. 2013). While no current or long-term biological monitoring program has been established for the fishes of the San Solomon Springs system, Hargrave et al. (2013) performed quarterly monitoring of the fish populations in ciénega habitats at San Solomon Springs for four years (2009 through 2013) and generated population estimates for five species, including the federally-listed Comanche Springs Pupfish and Pecos Gambusia as well as state threatened Headwater Catfish.

There were several objectives identified for this study to establish a baseline monitoring protocol including 1) sample the entire fish community quarterly for a period of two years using minnow traps and seines, 2) perform species-specific monitoring utilizing different gear types to determine which sampling methods should be used in future monitoring efforts, 3) collect fish for diet and stable isotope analysis, 4) perform a genetic assessment of Comanche Springs Pupfish, Pecos Gambusia, and Headwater Catfish to assess hybridization with introduced species, and 5) collect site-specific habitat data including substrate type and coverage, vegetation type and coverage, and basic water quality parameters. Multiple gear types, sampling locations, and dates were selected to accomplish these objectives (Table 3).

Table 3. Study sites sampled from 2017-2019. Sampling gear used at each location and date.

Location	**Date**	**Seine**	**Minnow Traps**	**Quadrat Visual Counts**	**Mark and Recapture (Minnow Trap)**	**Camera Trap**
Hubbs Ciénega	March 2017	X	X			
	June 2017		X			
	July 2017	X				
	September 2017	X	X			
	December 2017	X	X			
	June 2018	X	X			
	September 2018	X	X			
	December 2018	X	X			
	March 2019			X	X	X
	October 2019			X	X	X
San Solomon Ciénega	March 2017	X	X			
	June 2017		X			
	July 2017	X				
	September 2017	X	X			
	December 2017	X	X			
	June 2018	X	X			
	September 2018	X	X			
	December 2018	X	X			
	March 2019			X	X	X
	October 2019			X	X	X

Location	Date	Seine	Minnow Traps	Quadrat Visual Counts	Mark and Recapture (Minnow Trap)	Camera Trap
San Solomon Spring	March 2019			X	X	X
	October 2019			X	X	X
Balmorhea State Park Canals	March 2017	X	X			
	July 2017	X				
	September 2017	X	X			
	December 2017	X	X			
	June 2018	X	X			
	September 2018	X	X			
	December 2018	X	X			
	March 2019			X	X	X
	October 2019			X	X	X
East Sandia	March 2017	X	X			
	June 2017	X	X			
	September 2017		X			
	December 2017		X			
	June 2018		X			
	September 2018		X			
	December 2018		X			
Phantom Lake Spring	March 2017		X			
	June 2017	X	X			
	December 2017	X	X			
	June 2018	X	X			

Minnow Trapping and Seining in 2017 and 2018

Historical sampling for Balmorhea State Park included visual counts and minnow trap counts (G. Garrett, *personal communication*) and multiple-pass seining methods for creating density and population estimates for the most common species (Hargrave et al. 2013). For the baseline biomonitoring, Texas Parks and Wildlife Department (TPWD) biologists used seines and minnow traps during each seasonal sampling trip to compare estimates made from each gear type. Fish were collected with minnow traps and multiple-pass seining seasonally in 2017 and 2018.

Following methods and calculations outlined in Hargrave (2013), large block seines (16.7m x 2m with 4.2mm mesh) and 3m x 2m seines were used to block off and sample two to three sections of habitat within San Solomon Ciénega, Hubbs Ciénega, Balmorhea State Park canals, Phantom Lake Spring, and East Sandia Spring (Figure 14). Sampling locations were included from outside of Balmorhea State Park to determine the relative importance of the state park populations in long-term conservation efforts. Crews set up block seines for the same plots sampled by Hargrave et al. (2013) and used multiple-pass seining with seven seine hauls for each plot. Captured fish were transferred into aerated holding tanks until collection efforts were complete. Water was refreshed often to reduce stress. Since two sampling gear types were used, all fish were identified and enumerated in hand to improve data collection efficiency and decrease handling/holding time of the fish. Mean density and population estimates were calculated following Hargrave et al. (2013; Figure 15).

Figure 14. TPWD staff in San Solomon Ciénega with a blocked off section and seines used for collections.

Density & Population Estimates and Size Structure

We estimated population sizes ($\widehat{N}$) and associated variance $V(\widehat{N})$ for all fish species in the old and new ciénegas and refuge canal using the *counts on sample plots method*

$$\widehat{N} = \frac{A}{a}\bar{n},$$

where A = total population area (the old ciénega or new ciénega), a = size of the plot, $\bar{n}$ = the average number of animals counted per sample plot, and

$$V(\widehat{N}) = \frac{A^2}{a}\,\frac{V(\widehat{N})}{s}\,\frac{A-s\cdot a}{A},$$

where $V(\widehat{N}) = \sum_{i=1}^{s}\frac{(n_i-\bar{n})^2}{(s-1)}$, n_i = number of animals counted in the i^{th} plot, and s = number of plots used.

Figure 15. Calculation of population size and variance. Figure from Hargrave et al. (2013).

Baited minnow traps were also utilized to assess the populations (Figure 16) as has been done across the western US and Mexico to monitor pupfish, mosquitofish, and other spring associated species (Martin and Saiki 2005; Pittenger et al. 2018) to determine a catch per unit effort (CPUE; fish per hour). Minnow traps were baited with hatchery fish pellets and deployed at random locations in each habitat. Ten minnow traps were deployed for each sampling date and habitat, except for Phantom Lake Spring, where two were deployed. Minnow traps were deployed for approximately two hours before retrieval and the fish identified and enumerated. Mean CPUE was calculated for each habitat. Site-specific habitat data including substrate composition, vegetation type and percent coverage, and depth were collected for each minnow trap location within a 0.5 m radius around the trap.

Figure 16. Minnow trap deployed in San Solomon Ciénega where it was baited and left to soak for approximately two hours to calculate a catch per unit effort (fish per hour).

Visual, Mark-Recapture, and Camera Trap Sampling

Visual counts, mark-recapture, and camera trap sampling were used in March and October 2019 to evaluate these sampling techniques as low impact options for species monitoring.

Camera traps with a fixed area and field of view were designed by TPWD staff in to record data (Figure 17). Forty sampling locations were selected in Balmorhea State Park stratified among all available habitats (spring pool, ciénegas, and canals) using a Generalized Random Tessellation Stratified sampling method (Stevens and Olsen 1999; Stevens and Olsen 2004). At each of the 40 sampling locations, the video camera recorded the field of view for 40 minutes (Figure 18). Videos were analyzed for each one-second increment for the presence of Comanche Springs Pupfish. This dataset will help evaluate the best way to sample and utilize video data and determine if this is a viable sampling method. The last sampling event was in October 2019 and data is still being processed.

Figure 17. TPWD staff getting ready to deploy camera traps at Balmorhea State Park.

Figure 18. An example of the field of view observed from a camera trap sampling event. This camera captured a turtle hunting and eating a Headwater Catfish. Fish of all size ranges were observed on camera data.

TPWD partnered with Texas A&M University's Riverscape Ecology lab (Drs. Perkin and Acre) to create density and population estimates for Comanche Springs Pupfish throughout all available habitats (spring pool, ciénegas, and canals) at Balmorhea State Park. Biologists used mark-recapture and N-mixture models fit to data collected using minnow traps and visual surveys in March and October 2019. Habitat covariates were collected for each location sampled. The ten locations within the four major habitat types at the park were randomly selected for a total of 40 sites and were sampled in March and October 2019. Minnow traps (not baited) were set once per night for three consecutive nights in March (four nights during October) and visual counts were conducted during the day after traps were set. Minnow traps had a mean (± SD) soak time of 1,019 (± 112) minutes per night. All Comanche Springs Pupfish were marked using visible implant elastomer injections before being released (Figures 19 and 20). Visual surveys (Figure 21) were conducted with 1m x 1m PVC quadrats where observers would wear a mask and snorkel, allow a minimum two-minute acclimation window to pass at each location before beginning counts, and then count fish within the quadrat for a two-minute time period. Complete methodology, data analysis assumptions, and modeling techniques are outlined in Acre et al. (2020).

Figure 19. Drs. Perkin and Acre marking Comanche Springs Pupfish with visible implant elastomer injections.

Figure 20. Comanche Springs Pupfish with visible implant elastomer injection. The bright orange colors also fluoresce at night with a UV light.

Figure 21. Dr. Acre conducting a visual count survey for Comanche Springs Pupfish.

Genetics

Headwater Catfish

Biologists collected 35 putative Headwater Catfish from Balmorhea State Park in 2017. The genetic assessment focused on addressing whether there was evidence for hybridization with other *Ictalurus* species. An assay was designed and then optimized to differentiate among Headwater Catfish (*I. lupus*), Channel Catfish (*I. punctatus*), and Blue Catfish (*I. furcatus*) based on three single nucleotide polymorphisms (SNPs) at the nuclear locus *RAG2* (Table 4). Each sample was also sequenced at the mitochondrial CYB locus. Using NT-CYB sequences and the SNP-genotypes, we were able to clearly identify hybrids within populations.

Table 4. Primer names and sequences used for the SNP assay of RAG2 amplicons (lower case bases are non-complementary tails used to artificially adjust migration rates).

Primer	Sequence
RAG2_F	GGTCATACTGAGATGCCAG
RAG2_R	ATTCATGAGCAGGGCCTA
RAG2_s1	TCCGGAAGTTCACCAA
RAG2_s2	ttttttttttttGGTGGCAGATCCTACATG
RAG2_s3	ttttttttttttttttttttttCTCCCAGAGCTCACTGA

Pecos Gambusia

Given the lack of genetic resources for this species, approaches from previous work were reviewed. Rodriguez (2017) sequenced one mitochondrial and three nuclear genes and genotyped a single microsatellite locus in Pecos Gambusia and Largespring Gambusia (*G. geiseri*) samples to identify hybrids between these species. The microsatellite used was found to be only partially informative based on its description in the manuscript and attempts to contact the author to obtain the raw sequence data at the other loci were unsuccessful. Since the utility of the Rodriguez (2017) approach could not be confirmed based on the manuscript alone, optimization was attempted for some of these methods in the TPWD's Analytical Services Laboratory (AS Lab).

Attempts to genotype samples with three microsatellites were largely unsuccessful. Attempts to sequence samples at the nuclear-*RAG2* and *RPS7* loci produced inconsistent results among samples due to the presence of large indels among species in the sequenced regions. To work around this a new assay to exploit the indels at RPS7 for species identification was designed. Primers 274F and 539R_cag were designed to produce a 280 bp amplicon in Western Mosquitofish (*G. affinis*) and 259 bp amplicon in Pecos Gambusia and Largespring Gambusia (Table 5). Pecos and Largespring Gambusia were subsequently differentiated after designing an SBE assay to identify taxon-specific SNPs between these species. Each sample evaluated for this study was also sequenced at the mt-CYB locus. Using mt-CYB sequences and the combination of indels and SNPs at the RPS7 locus we were able to clearly identify hybrids within populations.

Table 5. Primer names and sequences used for INDEL and SNP assays at RPS7 for the discrimination of multiple Gambusia species.

Primer	Sequence
INDEL assay	
274F	CTGCTGGAGAATAAACTGGG
539R_cag	CAGTCGGGCGTCATCACTCTCTGAACATACACGGA
SNP assay	
S7RPEX1F	TGGCCTCTTCCTTGGCCGTC
S7RPEX3R	GCCTTCAGGTCAGAGTTC
SNP252	TGACTGAACACACGCTC
SNP370	ttttttttttttttttTTAGCKGTTAGGTCGCAG
SNP674	ttttttttttttttttttttttATTAGCAGCACCAGCTG
SNP753	tttttttttttttttttttttttttTCGCCTCTGACCTCTCTAA

Comanche Springs Pupfish

Comanche Springs Pupfish (*Cyprinodon elegans*) were collected from multiple sites including Hubbs Ciénega (CHC: n=11), Phantom Lake Spring (PLS: n=22), San Solomon Ciénega (SSC: n=19), and a single individual from East Sandia Springs (ESS). The genetic assessment addressed 1) is there evidence for hybridization with Sheepshead Minnow (*C. variegatus*) and 2) is there genetic structure among sites? Genetic resources for Comanche Springs Pupfish are very limited and there were no established assays for working with this species in the AS Lab. Therefore, evaluations began with sequencing the mitochondrial control region and then attempted to amplify microsatellite loci using primer pairs that successfully produced amplicons in other *Cyprinodon* species. Primer pair L15926/H16498 was used to produce a mitochondrial Control Region amplicon. This amplicon was sequenced in both directions in a subset of samples. All other samples were then sequenced using only the H16498 primer based on sequence quality generated in each direction. Aligned sequences produced 428 bases. Sequences were identical among all samples and consistent with Comanche Springs Pupfish. No Sheepshead Minnow sequences were recovered. Microsatellite primer pairs previously used successfully with Pecos Pupfish (*C. pecosensis*) and Sheepshead Minnow were screened for use with Comanche Springs Pupfish. AC1, GATA2, and WSP-02 produced amplicons.

Benthic Macroinvertebrates

Because benthic macroinvertebrate (BMI) assemblages are often excellent indicators of localized conditions with many species having limited migration patterns or a sessile mode of life, they are particularly well-suited for assessing site-specific impacts (Karr et al. 1986). Furthermore, the benthic macroinvertebrate community is composed of species that constitute a broad range of trophic levels and pollution tolerances, providing strong information for interpreting changes in aquatic habitat conditions including short-term environmental variations. Information on the BMI communities of springs in the Trans-Pecos is generally lacking. Although several federally-listed endangered BMI species that inhabit Trans-Pecos springs have been the focus of some research (Lang et al. 2003, Gervasio et al. 2004, Seidel et al. 2009, Bradstreet 2012, Rogowski 2012, Ladd 2010, Stanislawczyk et al. 2018), there has been little effort to document the composition and structure of the overall BMI community that inhabits the BAS and no baseline exists for comparison of aquatic ecosystem health.

Field sampling

Field crews sampled BMI assemblages across seven spring-fed aquatic systems in the study region: East Sandia (ES), West Sandia (WS), San Solomon Pool (SSP), San Solomon Canal (CAN), Hubbs Ciénega (HC), San Solomon Ciénega (SSC), and Phantom Lake (PHA) (Table 1). Each of the seven sites were *a priori* subdivided into distinct mesohabitat types that were mapped/defined prior to sampling. For the purposes of this study, mesohabitat was defined as “visually distinct units of habitat within the stream, recognizable from the bank and with an apparent physical uniformity” (Pardo and Armitage, 1997). Unique combinations of sediment and vegetation types in each spring were used to define each mesohabitat assigned at each site. Mesohabitat types at each location were determined by identifying substrate types and areas with vegetation cover. Thus, mesohabitats were designated for each site as a combination of substrates and vegetation types, projected onto a GIS-generated map for each spring location. For example, the area occupied by both silt and the macrophytic algae *Chara* sp. in an individual site would be designated as a specific mesohabitat type and the sampling points for that mesohabitat type would then be distributed throughout it.

Spring systems and their biota were sampled eight times throughout 2017 - 2018, beginning in March 2017, except for West Sandia Springs where sampling began in the summer of 2017. Sampling followed a stratified random design at each site, with 10 to 25 randomly generated points (dependent upon size and the diversity of mesohabitats at each site) distributed among the various mesohabitat types in each spring system. To collect benthic invertebrates, a welded stainless steel-framed sampler (Lang benthic basket sampler; 10cm x 10cm x 3 cm, 500-µm mesh) was used (Figure 22). The sampler was developed by the late Brian K. Lang of the New Mexico Department of Game & Fish to gather quantitative data in spring fed ciénegas in New Mexico and Texas and was deemed appropriate for use in this study. The Lang Benthic sampler was placed firmly into the substrate and a metal plate fitted for the sampler was slid in place to collect a known volume of substrate. The sample was then transferred to a mesh bag (500- µm mesh) to be rinsed. From the mesh bag the sample was transferred to a jar for transport and storage. Benthic samples were preserved in the field with 95% ethanol, and organism sorting, counting, and identifications were performed in the Aquatic Ecology Lab in the Aquatic Station at Texas State University and laboratory at the San Marcos Aquatic Resources Center.

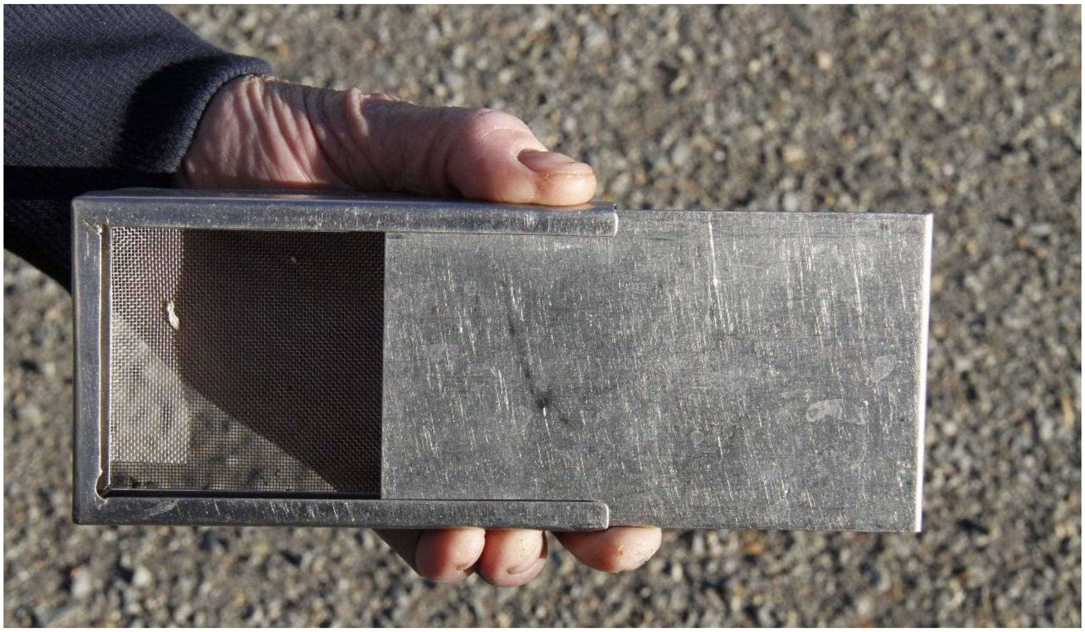

Figure 22. The Lang Benthic Basket sampler.

In addition to invertebrate collection, the following parameters were recorded to establish mesohabitat identification: substrate size and composition, organic matter type (vegetation type, algae, detritus, etc.), and water quality using a pre- and post-calibrated Eureka multiprobe (pH, temperature, specific conductivity, and dissolved oxygen). The substrate at each sampling point was defined by its primary sediment and secondary sediment type according to the Wentworth Scale (Wentworth, 1922). All sampling events began at East and West Sandia springs because there had been no previous record of the invasive red-rimmed melania or quilted melania at both sites and we wanted to avoid introducing non-native species to these systems.

Data analysis

Principal Component Analysis (PCA) was used to describe gradients in mesohabitat and water physicochemistry across the sampled sites using RStudio Version 1.1.456. All sediment types, vegetation cover types, and detritus cover for each sampling point were reported as percent cover (0 to 100) for analysis. Site (spring) was included in the PCA as a dummy variable and randomly numbering sites 1 through 7. Physicochemical variables at each sampling point included in the PCA were water temperature, DO, pH, and conductivity. Data were *z*-score transformed prior to analysis.

For all habitat association analyses, the only species analyzed were Phantom tryonia, Phantom springsnail, diminutive amphipod, red-rimmed melania, and quilted melania because they comprised 97.5% of all individuals collected. Redundancy analysis (RDA) was used to determine associations for five local species by investigating the influence of site location (variation in regional spatial distribution) versus local habitat conditions. Predictor variables were classified as either local mesohabitat variables (i.e., percent benthic cover and water physicochemistry) or site (the seven site locations) prior to analysis. Species count data were Hellinger transformed and fourth root normalized to minimize the impact of rare species (Legendre and Gallagher 2001). An initial global RDA model was performed encompassing all site, mesohabitat, and water physicochemistry predictors to determine significant predictors of the density of the five focal species. We then performed separate RDA models to examine the influence of (1) site location and (2) mesohabitat and water physicochemistry on the species densities. Finally, we performed two partial RDAs: the first to determine the pure effects of site location while controlling for the influence of mesohabitat and water physicochemistry data and the second to determine the pure effects of mesohabitat and water physicochemistry data while controlling for the influence of site location; variance partitioning was used to evaluate combined and pure effects of the two predictor sets (King et al. 2005; Becker et al. 2014) on species densities. For all RDAs, significance ($\alpha = 0.05$) was determined via $n = 999$ permutations with the 'envfit' function found in the vegan package in RStudio Version 1.1.456.

To estimate the mean density and total population size of each of the five focal species of interest at each site location, mean, median and 95% confidence interval of species density (number of individuals/m^2) of all sampling points were calculated within a given site. The mean density of each species (and upper and lower 95% confidence interval density values) at each site was then multiplied by the total surface area (m^2) of each site to provide an estimate of the total population size of each species at each site.

To investigate seasonality of the focal species, count data was enumerated for each sampling event and graphed. Many spring obligate species do not display the seasonality in life history characteristics observed in aquatic habitats with greater temperature fluctuations. Seasonality data from the 2-year study period will be assessed for apparent seasonal trends that may exist and help inform timing of future biomonitoring efforts.

Water Quantity and Quality

Water quality and quantity monitoring are important components of any aquatic biomonitoring work plan. From a biological perspective, the most important factor relating to the flow of a spring is the persistence of flow (Hynes 1970, Ward and Stanford 1979, van der Kamp 1995). Spring- and spring run-inhabiting organisms are among the most threatened residents of Texas aquatic communities, primarily due to alteration and/or reduction of springflows (Edwards et al. 1989, Bowles and Arsuffi 1993). Variability of flow is also important if it is associated with changes in water quality and temperature (van der Kamp 1995), which may impact aquatic species intolerant to changes in these parameters.

Water Quantity

Recognizing the importance of long-term and continuous discharge data and the fragmented nature of the historical dataset for San Solomon Springs discharge, a USGS gaging station (#08427500) was funded for installation and operation and maintenance at Balmorhea State Park in the main outflow canal just downstream of the spring pool (Figure 23). The gaging station was installed in May 2017 while water levels in the pool were lowered for pool cleaning and no flow was present in the outflow canal. Discharge data was reported every 15 minutes beginning in May 2017 and will continue into the foreseeable future. Discharge data is reported in real time on the USGS website (https://waterdata.usgs.gov/tx/nwis/uv/?site_no=08427500&PARAmeter_cd=00065,00060). Basic summary statistics including the mean, median, minimum, and maximum discharge were calculated for San Solomon Springs and an attempt was made to identify activities affecting the measured discharge as well as relate current discharge data to historical data.

Figure 23. USGS gaging station and TCEQ Continuous Water Quality Monitoring Program station location in the main outflow canal in Balmorhea State Park.

It should be noted that the current location for the USGS gaging station at San Solomon Springs is different than the historical gaging station location. Development of the Hubbs Ciénega to improve canal habitat for fish species within Balmorhea State Park required the diversion of water from a point upstream of the historical gaging station location, so the gaging station was moved upstream to the main outflow canal to ensure all discharge is measured. Although the gaging station is in the main outflow canal, there are two other locations where water can be diverted from the pool. There is a drain in the bottom of the pool with a large grate covering it that is used to lower water levels for maintenance. Water entering the grate feeds a conduit that runs 225 meters underground and empties into the head of an earthen drainage canal on the northeast end of the park. There is also an irrigation canal on the north side of the pool that is routinely used by the Reeves County Water Improvement District #1 (WID #1) to divert water for irrigation use. When water is diverted for either pool maintenance or for irrigation use, discharge measured at the USGS gaging station is reduced by the amount of the diversion. Additionally, Balmorhea State Park staff have reported that the seal around the diversion gate at the bottom of the pool may not function properly allowing some water to escape.

Discharge measurements were not made at East Sandia, West Sandia, or Phantom Lake springs. Habitat and flow conditions at East and West Sandia springs make estimating discharge difficult. The upstream habitat at East Sandia Springs is a series of open water pools and downstream habitat contains abundant vegetation, a split channel, and shallow flow conditions. West Sandia Springs has similar conditions that complicate the measurement of discharge. As mentioned previously, Phantom Lake Springs ceased to flow in 1999 and surface flow is maintained by pumps in the cave, where water levels essentially reflect the top of the local groundwater table. Discharge from Phantom Lake Spring only occurs following heavy rainfall events and recedes quickly. As of December 2019, USGS still visits Phantom Lake Spring periodically and reports field observations on their website (https://waterdata.usgs.gov/tx/nwis/measurements/?site_no=08425500&agency_cd=USGS&). No flow has been reported at Phantom Lake Springs since July 2010 when discharge was reported between 9.9 and 22.5 cfs over the course of two weeks in response to heavy rainfall. However, US Bureau of Reclamation staff report that water has flowed from the cave for short periods of time following heavy rain events since 2010 (D. Armstrong, personal communication).

Water Quality

A total of twenty-seven sampling events took place between January 2017 and December 2018 (Table 6). Water quality samples were collected from the spring orifice at each spring system (San Solomon, East Sandia, West Sandia, and Phantom Lake springs) using a MasterFlex peristaltic pump and MasterFlex Tygon tubing. Spring water was pumped through the tubing for approximately one minute to flush out any contaminants. A diver was used to place the hose in the main orifice of San Solomon Spring at the bottom of the pool at Balmorhea State Park and the hose was placed directly in the spring orifice of West Sandia Spring. East Sandia Springs had several small upwellings submerged 0.5-1.5 m in headwater pools with no single orifice, so the sample hose was placed as close to an upwelling as possible while avoiding sediment contamination. At Phantom Lake Springs the hose was carried approximately 10 m into the cave opening and placed in approximately 0.3 m of water. For the first year of the study a sample was also collected from 0.3 m under the surface of the pool at Balmorhea State Park for comparison to samples taken directly from the spring orifice These samples were termed groundwater (GW) and surface water (SW). All samples from East Sandia, West Sandia, and Phantom Lake springs were considered groundwater samples. All water quality samples were taken to the Lower Colorado River Authority – Environmental Services Lab (LCRA – ELS) for analysis. LCRA – ELS provided all sample containers and chain-of-custody forms.

Table 6. Locations and dates of water quality sampling (GW - groundwater and SW – surface water).

Location	Latitude	Longitude	Date	Parameter Sets
San Solomon Springs	30.942924	-103.788238	1/26/2017	TWDB Suite GW and SW, San Solomon GW and SW, Isotopes
San Solomon Springs	30.942924	-103.788238	1/27/2017	TWDB Suite GW and SW, San Solomon GW and SW, Isotopes
San Solomon Springs	30.942924	-103.788238	3/29/2017	TWDB Suite GW and SW, San Solomon GW and SW, Dissolved Gasses
East Sandia Springs	30.990883	-103.730278	6/26/2017	TWDB Suite
West Sandia Springs	30.985833	-103.737778	6/26/2017	TWDB Suite
San Solomon Springs	30.942924	-103.788238	6/27/2017	TWDB Suite SW, San Solomon GW and SW
Phantom Lake Springs	30.933757	-103.845739	6/28/2017	TWDB Suite
San Solomon Springs	30.942924	-103.788238	10/17/2017	TWDB Suite GW and SW, San Solomon GW and SW
San Solomon Springs	30.942924	-103.788238	12/12/2017	TWDB Suite GB and SW, San Solomon GW and SW
East Sandia Springs	30.990883	-103.730278	12/12/2017	TWDB Suite
West Sandia Springs	30.985833	-103.737778	12/12/2017	TWDB Suite
Phantom Lake Springs	30.933757	-103.845739	12/13/2017	TWDB Suite

Phantom Lake Springs	30.933757	-103.845739	2/28/2018	TWDB Suite
East Sandia Springs	30.990883	-103.730278	3/5/2018	TWDB Suite
West Sandia Springs	30.985833	-103.737778	3/6/3018	TWDB Suite
San Solomon Springs	30.942924	-103.788238	3/6/2018	TWDB Suite, San Solomon GW
Phantom Lake Springs	30.933757	-103.845739	6/11/2018	TWDB Suite
East Sandia Springs	30.990883	-103.730278	6/12/2018	TWDB Suite
West Sandia Springs	30.985833	-103.737778	6/12/3018	TWDB Suite
San Solomon Springs	30.942924	-103.788238	6/12/2018	TWDB Suite, San Solomon GW
East Sandia Springs	30.990883	-103.730278	9/17/2018	TWDB Suite
West Sandia Springs	30.985833	-103.737778	9/18/3018	TWDB Suite
San Solomon Springs	30.942924	-103.788238	9/18/2018	TWDB Suite, San Solomon GW
East Sandia Springs	30.990883	-103.730278	12/10/2018	TWDB Suite
West Sandia Springs	30.985833	-103.737778	12/11/3018	TWDB Suite
San Solomon Springs	30.942924	-103.788238	12/11/2018	TWDB Suite, San Solomon GW
Phantom Lake Springs	30.933757	-103.845739	12/13/2018	TWDB Suite

Physicochemical Parameters

Water quality field parameters were measured at each site where water quality samples were taken and at sites where a benthic macroinvertebrate sample was collected. A YSI EXO1 multiparameter or a Eureka Manta multiparameter datasonde was used to measure temperature, pH, specific conductivity, dissolved oxygen, and to record the depth at which the measurement was made. Data recording, instrument calibration, and post-calibration procedures followed Texas Commission on Environmental Quality (TCEQ) Surface Water Quality Monitoring (SWQM) Procedures Manual, Volume I (TCEQ 2012a) protocols.

"TWDB Suite"

The Texas Water Development Board collects a suite of parameters (known as the "TWDB Suite") at each of their sampling locations to characterize groundwater throughout the state of Texas. The same parameters were measured for this baseline biomonitoring study. The "TWDB Suite" includes dissolved anions, dissolved metals, alkalinity, dissolved phosphorus, silica, mercury, dissolved nitrate + nitrite, and the cation/anion balance. The full list of parameters is in Appendix B. All "TWDB Suite" parameters were filtered through a 45 µm cartridge filter which had been flushed with ambient spring water for approximately one minute.

San Solomon Springs

A larger set of water quality parameters was collected only from San Solomon Springs in addition to the "TWDB Suite". These additional parameters include total metals, volatile and semi-volatile organics, total petroleum hydrocarbon, total dissolved solids, total suspended solids, volatile suspended solids, hardness, total organic carbon, ammonia-nitrogen, total Kjeldahl nitrogen, dissolved gases, and isotopes. Dissolved gases and stable isotopes of oxygen, hydrogen, and strontium were only collected during the first sampling event.

Continuous Water Quality Monitoring Station

The Texas Commission on Environmental Quality (TCEQ) installed a continuous water quality monitoring (CWQM) station on May 10, 2017 (Figure 23). The CWQM station consists of a YSI 600 XLM multiprobe water quality monitoring instrument and SUTRON 8080 data logger. The CWQM station was initially set up to measure water temperature, water depth, and specific conductance which were logged once every

15 minutes and transmitted via wireless internet protocol modems to the TCEQ (Leading Environmental Analysis and Display System) LEADS system in Austin, Texas. The transmitted data is then posted on the TCEQ CWQM website. Surface water pH was added to the CWQM station on August 8, 2018. The instruments used in the CWQM station are calibrated and maintained monthly by Balmorhea State Park staff using the TCEQ's Standard Operational Procedure for CWQM stations (https://www.tceq.texas.gov/waterquality/monitoring/cwqm_sops.html).

Data Analysis

All water quality samples were analyzed by the Lower Colorado River Authority – Environmental Services Lab (LCRA-ELS) and the results were emailed to TPWD in PDF and Excel CVS format. Many of the data values reported from LCRA-ELS were below the minimum detection limits (MDL). For the results that were below the MDL the reported MDL was halved for analysis. All un-edited data are provided in Appendix B. Summary statistics were generated in Excel and the data were also brought into PRIMER 7 (Plymouth Routines in Multivariate Ecological Research) for further analysis. The data were first normalized by subtracting the parameter mean from the value and dividing the remainder by the parameter's standard deviation. PRIMER then creates a Euclidian distance resemblance matrix which was used to conduct a Principal Component Analysis (PCA) by comparing the parameters from the different spring systems to one another. PRIMER 7 was also used to conduct non-metric multidimensional scaling (n-MDS) of the data by ranking similarities between samples and then drafting a "map" of the data where samples that are more similar are placed closer than those that are dissimilar. An ANOSIM (Analysis of Similarity) was used to compare water quality results between springs as well. A Piper Diagram was created in Microsoft Excel by the USGS Nevada District to characterize the dissolved constituents and ions from the springs.

Results

Fish

Minnow Trap and Seining in 2017 and 2018

A total of 162,859 fish were collected using in minnow traps and seines during seasonal sampling in 2017 and 2018. Collection contained five species in four families (i.e. Comanche Springs Pupfish, Pecos Gambusia, Largespring Gambusia, Headwater Catfish, and Texan Tetra). Roundnose Minnow (*Dionda episcopa*) was historically collected from Balmorhea State Park, but no individuals were collected or observed in 2017, 2018, and 2019. Several sunfish were observed in the Balmorhea State Park San Solomon Spring area but were not collected as part of this study. Several Florida Largemouth Bass (*Micropterus salmoides*) were observed at East Sandia Spring but not collected with minnow traps or seines. During the study, a diver at Balmorhea State Park observed and took a picture of one armored catfish (an invasive, non-native *Pterygoplichthys disjunctivus*). Biologists from TPWD and USFWS were able to remove this fish from the spring pool.

Catch per unit effort for minnow traps was calculated for the four most abundant species of fish (i.e. Comanche Springs Pupfish, Pecos Gambusia, Largespring Gambusia, and Texan Tetra; Table 7; Figures 24, 25, 26, 27). Headwater Catfish were collected as part of the study but not enough were collected to make meaningful estimates for CPUE, density, or population estimates (n=15). Mean catch per unit effort (fish per hour) for minnow traps was highly variable across seasons and years. Fewer Comanche Springs Pupfish were collected in baited minnow traps compared to multi-pass seining (Table 7).

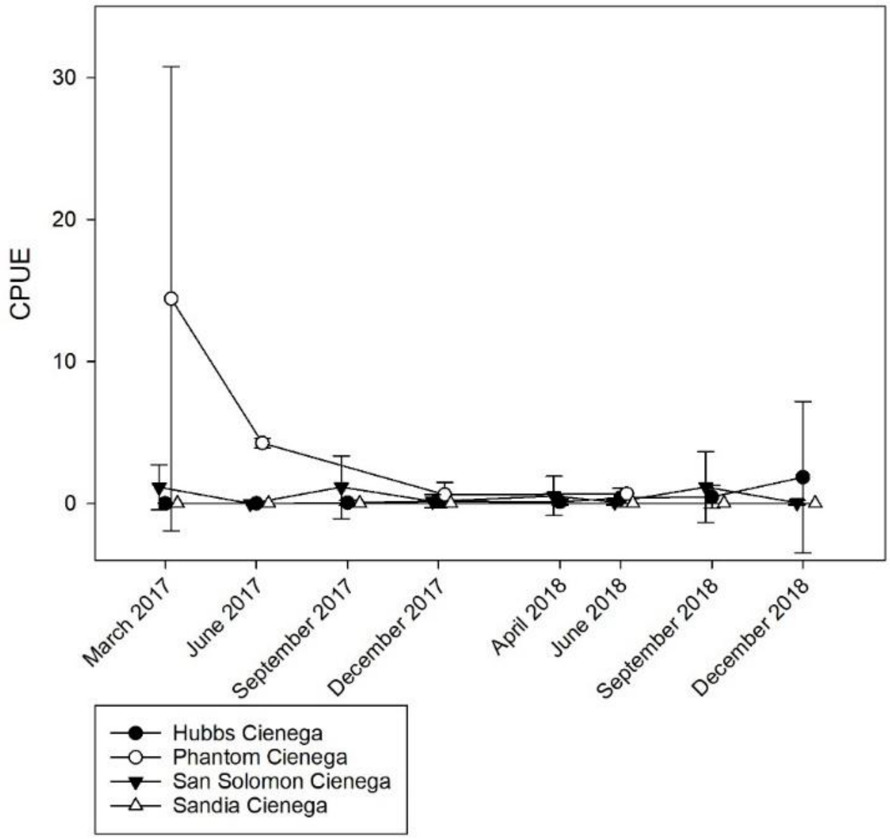

Figure 24. Catch per unit effort (CPUE; number of fish per hour) calculated for Comanche Springs Pupfish across seasonal sampling events for four populations using minnow trap data.

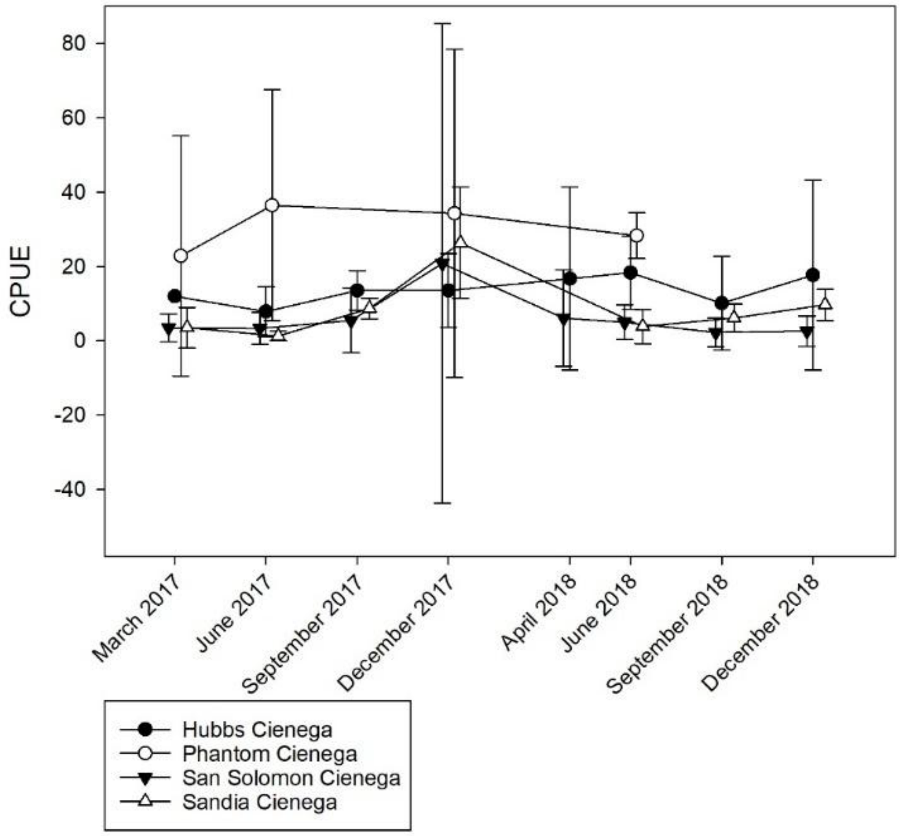

Figure 25. Catch per unit effort (CPUE; number of fish per hour) calculated for Pecos Gambusia across seasonal sampling events for four populations using minnow trap data.

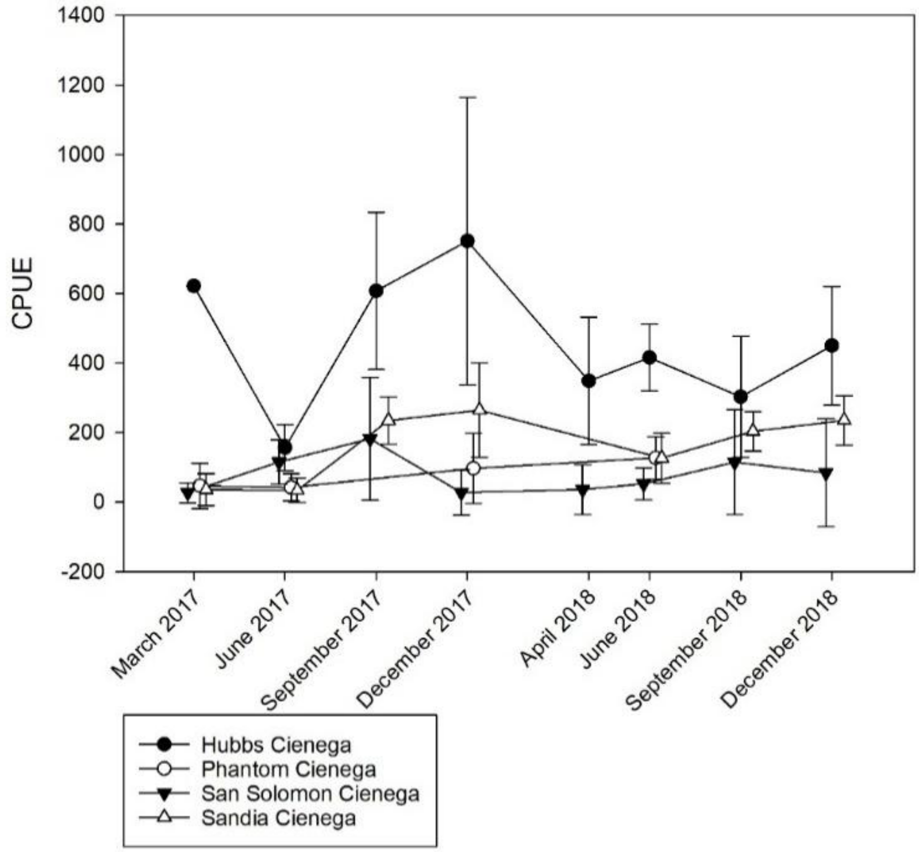

Figure 26. Catch per unit effort (CPUE; number of fish per hour) calculated for Largespring Gambusia across seasonal sampling events for four populations using minnow trap data.

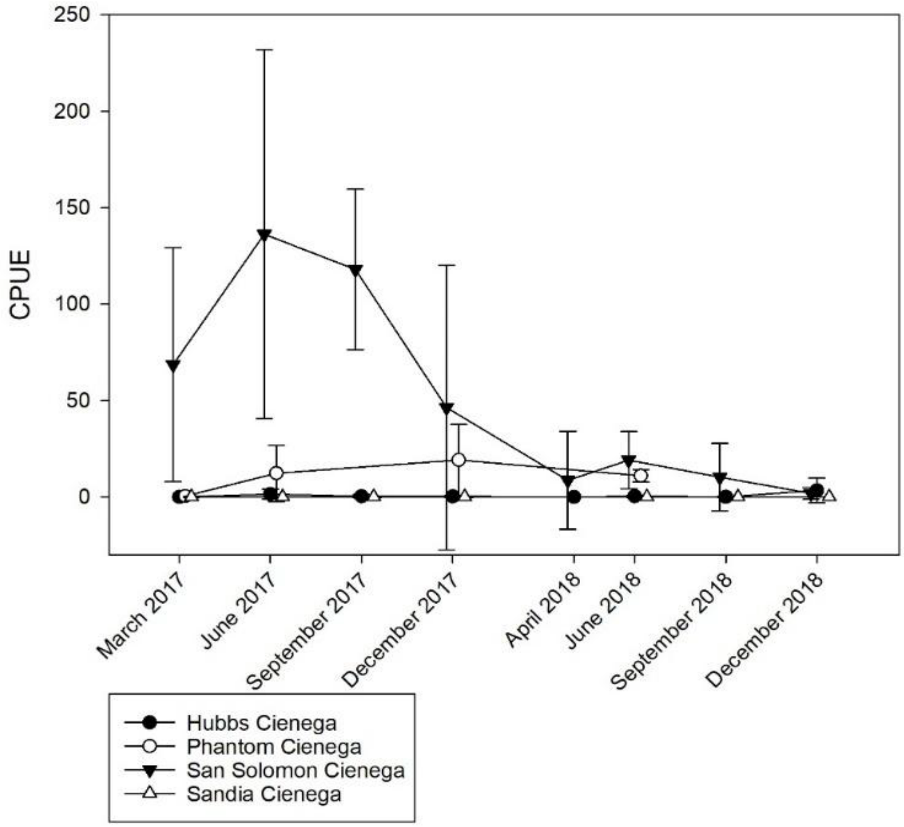

Figure 27. Catch per unit effort (CPUE; number of fish per hour) calculated for Texan Tetra across seasonal sampling events for four populations using minnow trap data.

Table 7. Seasonal estimates for mean density per location (number of fish per square meter), mean catch per unit effort for minnow traps (MT CPUE; number of fish per hour), mean catch per unit effort for seined locations (S CPUE; number of fish per ten minutes) and population estimates. Estimates are expressed with a standard deviation for Comanche Springs Pupfish (Cyprinodon elegans), Pecos Gambusia (Gambusia nobilis), Largespring Gambusia (Gambusia geiseri), and Texan Tetra (Astyanax argentatus) for each population.

Location	Date	Measurements	C. elegans	G. nobilis	G. geiseri	A. argentatus
Canal	March 2017	no./m2:	0.1 ± 0.0	0.4 ± 22.6	6.5 ± 294.9	0.0 ± 2.1
		S CPUE:	5.8 ± 4.9	21.1 ± 23.9	304.8 ± 337.3	1.0 ± 1.4
		N:	142.8 ± 0.0	418.3 ± 1414.3	6188.4 ± 18430.6	15.3 ± 132.6
	July 2017	no./m2:	0.3 ± 0.7	1.5 ± 138.6	8.8 ± 570.6	0.1 ± 11.3
		S CPUE:	8.4 ± 5.8	63.3 ± 79.4	342.1 ± 384.5	5.3 ± 6.5
		N:	189.5 ± 44.2	1438.7 ± 8662.8	8412.8 ± 35667.8	122.4 ± 707.2
	Sept 2017	no./m2:	0.8 ± 22.6	2.2 ± 19.1	18.4 ± 854.2	0.1 ± 17.0
		S CPUE:	31.6±0.1	88.0±32.5	665.9±153.3	6.0±8.5
		N:	806.1±1414.3	2127.4±1193.3	17539.9±53391.2	122.4±1060.8
	December 2017	no./m2:	0.1±10.6	1.4±110.3	7.1±508.4	0.5±67.9
		S CPUE:	3.6±3.4	44.3±34.4	230.9±155.2	16.0±135.8
		N:	107.1±663.0	1306.1±6894.9	6759.8±31778.4	489.8±4243.0
	April 2018	no./m2:	0.1±15.6	0.7±26.2	4.9±135.8	0.0±2.1
		S CPUE:	5.7±6.0	40.9±31.3	290.3±195.4	1.2±1.6
		N:	132.6±972.4	647.9±1635.3	4703.8±8486.0	15.3±132.6
	June 2018	no./m2:	0.2±2.1	1.0±2.1	7.8±624.4	0.1±4.9
		S CPUE:	8.9±0.6	53.3±9.5	458.8±449.5	5.3±1.6
		N:	158.2±132.6	933.6±132.6	7382.3±39026.9	86.7±309.4
	September 2018	no./m2:	0.3±21.9	1.1±21.2	7.0±89.8	0.1±7.8
		S CPUE:	16.5±15.8	45.5±8.8	291.6±75.9	3.2±4.6
		N:	321.4±1370.1	1051.0±1325.9	6637.4±5613.2	56.1±486.2
	December 2018	no./m2:	0.1±3.5	0.8±93.3	2.6±333.8	0
		S CPUE:	4.3±2.4	48.0±62.2	164.7±222.5	0
		N:	66.3±221.0	734.7±5834.1	2520.3±20861.5	0

San Solomon Cienega	March 2017	no./m2:	0.5±82.4	0.2±29.9	2.5±276.4	0.5±0
		MT CPUE:	1.1±1.6	3.5±3.7	27.4±29	68.6±60.7
		S CPUE:	14.5±13.7	11.8±16.7	129.2±137.3	29.1±33.8
		N:	2153.5±16403.8	839.7±5947	11301±55035.4	2331.3±10218
	July 2017	no./m2:	1.1±126.3	0.5±75.1	4.5±583.2	0.5±0
		MT CPUE (June 2017):	0±0	3.3±4.3	115.4±64.1	136.3±95.7
		S CPUE:	29.1±19.7	14.3±17.5	139.1±140	12.9±5.4
		N:	4919.5±25143.5	2025.1±14954.1	20300.3±116097.6	2114±7036.7
	September 2017	no./m2:	1±160.8	1±122.3	2±207.3	0.4±0
		MT CPUE:	1.2±2.2	5.5±8.7	182.1±177.3	118±41.6
		S CPUE:	48±55.2	54.1±43.5	106.6±96.2	17.8±8.5
		N:	4554±32022.1	4554±24351.8	8959.8±41271.7	1639.8±3285.4
	December 2017	no./m2:	0.3±28.6	0.4±66.8	4.1±738.4	0.4±0
		MT CPUE:	0.2±0.5	20.9±64.5	27.3±64.9	46.4±73.7
		S CPUE:	12.1±5.5	29±34.6	228.9±239.8	20.8±14.5
		N:	1185.4±5697.4	1916.4±13304.8	18522.2±146992.7	1728.7±7399.1
	April 2018	no./m2:	0±7.5	0.4±100.2	0.9±126.8	0.1±0
		MT CPUE:	0.5±1.4	6.1±13	36.2±71.8	8.6±25.4
		S CPUE:	3.2±3.9	20.7±33.2	44.6±40.7	6.5±6.2
		N:	207.4±1503	1817.6±19942.4	3852.6±25236.4	444.5±2216.9
	June 2018	no./m2:	0.7±	0.3±51.3	2.1±309	0.1±0
		MT CPUE:	0.1±0.2	5±4.7	52.7±46.3	19.1±14.7
		S CPUE:	65.3±61.6	33.2±35.4	203.7±213.3	5.5±6.1
		N:	3082.1±17651.1	1541±10211.6	9453.7±61507	266.7±1791.7
	September 2018	no./m2:	0.4±41.5	0.2±22.5	2.6±182.9	0.1±0.6
		MT CPUE:	1.2±2.5	2.3±3.9	114.6±151	151±17.5
		S CPUE:	18.6±13.9	12.2±7.5	128.9±61	3.2±2.5
		N:	1649.7±8271.7	1086.6±4479.7	11459.1±36416.4	286.5±1494.2

San Solomon Cienega	December 2018	no./m2:	0.4±25	0.1±20.4	6.3±1006.5	0.2±0
		MT CPUE:	0.1±0.2	2.6±4.1	84.5±155.9	1.9±3
		S CPUE:	27.8±17.2	5.3±6.8	435.2±538.8	9.7±15.3
		N:	2005.3±4974.4	474.2±4065.4	28252.5±200378.3	859.4±9151.3
Clark Hubbs Cienega	March 2017	no./m2:	0.1±4.2	0.8±14.8	9.9±101.8	0
		MT CPUE:	0±0	12±0	621.5±0	0
		S CPUE:	1.7±0.5	25.8±22	267.3±134.8	0
		N:	73.9±325.1	760.7±1137.8	9099±7802.3	0
	July 2017	no./m2:	0.7±7.8	1.7±34.6	29.4±796.9	0.1±0
		MT CPUE (June 2017):	0±0	7.9±6.7	156.4±66.3	1.5±2.5
		S CPUE:	8.9±3.6	23.8±12.6	414.4±260.3	0.6±0.9
		N:	598.2±596	1573.1±2654.9	27038.5±61063.8	51.7±379.3
	September 2017	no./m2:	4.3±249.6	3±53	18.6±613.8	0.1±1.4
		MT CPUE:	0.1±0.2	13.6±5.3	607.7±226.6	0.4±0.9
		S CPUE:	91.5±79	68.2±10.5	409.8±170.5	2±2.3
		N:	3921.7±19126.5	2799.1±4063.7	17090.1±47030.5	73.9±433.5
	December 2017	no./m2:	1.4±46.7	4.1±25.5	20.8±670.3	0.6±0
		MT CPUE:	0.2±0.5	13.6±9.9	751±413.8	0.3±0.5
		S CPUE:	24.8±3.3	81.6±40.2	444.4±371.1	7.9±11.2
		N:	1314.6±3576.1	3796.2±1950.6	19099±51365.1	524.4±3847
	April 2018	no./m2:	0.1±7.1	1.5±84.9	6.6±383.3	0
		MT CPUE:	0.1±0.2	16.8±24.6	348.6±18.8	0
		S CPUE:	7.8±7.4	92.1±89	401.2±400	0
		N:	118.2±541.8	1403.3±6501.9	6100.5±29367	0
	June 2018	no./m2:	1.2±107.5	1.6±112.4	8.1±583.4	4.3±0
		MT CPUE:	0.4±0.7	18.4±9.8	415.4±95.5	0.4±0.5
		S CPUE:	50.7±71.7	67±75	335.7±388.9	179±248.4
		N:	1122.6±8235.8	1484.5±8615	7437.2±44700.6	3966±28554.2

Clark Hubbs Cienega	September 2018	no./m2:	0.8±38.9	1.7±25.5	10.2±45.3	0.1±0
		MT CPUE:	0.5±0.8	10.2±12.6	302.9±174.1	0.1±0.2
		S CPUE:	24.3±19.4	54±12.7	316.5±22.6	2.5±3.5
		N:	716.4±2980	1595.3±1950.6	9350.1±3467.7	73.9±541.8
	December 2018	no./m2:	0.7±45.3	1.3±55.9	3.3±162.6	0
		MT CPUE:	1.9±5.3	17.7±25.6	449.9±170.7	3.4±6.4
		S CPUE:	14.4±14	29.4±14	77.1±43.3	0
		N:	605.6±3467.7	1159.5±4280.4	3072.4±12462	0
Phantom Lake Spring	March 2017	no./m2:	0.1±0.7	6±159.1	5.1±87.7	1.4±0
		MT CPUE:	14.4±16.6	22.9±32.3	46.7±66	0.5±0.7
		S CPUE:	1.5±0.7	142.5±159.1	121±87.7	32±15.6
		N:	6.5±7.8	621.9±1755.6	528.1±967.5	139.7±171.7
	June 2017	no./m2:	1.8±33.2	9.5±225.3	6.2±125.9	3.3±0
		MT CPUE:	4.3±0.4	36.5±31.1	42±38.9	12.3±14.5
		S CPUE:	42.5±33.2	223.5±255.3	146±125.9	78±76.4
		N:	185.5±366.7	975.4±2816.8	637.2±1388.9	340.4±842.7
	December 2017	no./m2:	2.2±63.6	9.4±116	6.4±58	2.3±0
		MT CPUE:	0.6±0.9	34.3±44.2	97.1±100.6	19.2±18.4
		S CPUE:	27.1±30.9	122.6±41.5	85.3±15.9	29.3±15.9
		N:	231.3±702.3	968.9±1279.7	663.4±639.8	235.7±421.4
	June 2018	no./m2:	2.4±63.6	6.8±178.9	16.3±264.5	4.5±0
		MT CPUE:	0.7±0	28.3±6.1	127±60.8	11±3.3
		S CPUE:	56±63.6	161.5±178.9	384±264.5	106.5±38.9
		N:	244.4±702.3	704.9±1974.1	1675.9±2918.2	464.8±429.2

East Sandia Spring	March 2017	MT CPUE:	0	3.5±5.5	35.7±45.5	0.1±0.2
	June 2017	MT CPUE:	0	1.3±1.3	34±35.5	0
	September 2017	MT CPUE:	0	8.7±2.8	234.7±68	0.1±0.2
	December 2017	MT CPUE:	0	26.4±15	264.2±135.7	0.1±0.2
	June 2018	MT CPUE:	0	3.9±4.6	126.5±72	0
	September 2018	MT CPUE:	0	6.2±3.8	203.3±56.4	0
	December 2018	MT CPUE:	0	9.7±4.2	234.9±70.8	0

In San Solomon Ciénega, mean density and population estimates were calculated for the four most abundant species for each seasonal sampling event in 2017 and 2018. Mean density (fish per square meter) for Comanche Springs Pupfish ranged from 0.0 ±7.5 to 1.1 ± 126.3 with the highest mean density observed in July 2017 (Table 7). Hargrave (2013) recorded a density range of 0.3 to 1.6 for this species and population estimates ranged from 207.4 ± 1503.0 in April 2018 to 4,919.5 ± 25,143.5 individuals in July 2017 with the highest estimates each year happening in the summer. This was similar to, but more than, the 209-1050 range observed by Hargrave (2013). Mean density for Pecos Gambusia ranged from 0.1 ± 20.4 in December 2018 to 1.0 ± 122.3 in September 2017. These density estimates were similar to the range of 0.4 to 2.3 observed by Hargrave (2013). Hargrave's (2013) population estimate of 901 Pecos Gambusia was similar to population estimates ranging from 474.2 ±4065.4 to 4554.0 ±24351.8 in this study. Mean density for Largespring Gambusia ranged from 0.9±126.8 in April 2018 to 6.3 ±1006.5 in December 2018. Population estimates ranged from 3852.6 ±25236.4 to 28252.5 ±200378.3 which was more that the population estimates calculated by Hargrave (2013; 1218 to 12567 individuals). Mean density for Texan Tetra ranged from 0.1 for three collection dates (April 2018, June 2018, and September 2018) to 0.5 in two collection dates (March 2017 and July 2017). Population estimates ranged from 286.5 ±1494.2 in September 2018 to 2331.3 ±10218.0, which were similar to population estimates from Hargrave (2013; 0 to 1500 individuals). Largespring Gambusia was the most abundant species collected in San Solomon Ciénega (n=11348) compared to Pecos Gambusia (n=1443), Comanche Springs Pupfish (n=2000), and Texan Tetra (n=979).

In Clark Hubbs Ciénega, mean density and population estimates were calculated for the four most abundant species for seasonal sampling events in 2017 and 2018. Mean densities for Comanche Springs Pupfish in Hubbs Ciénega were greater than San Solomon Ciénega and ranged from 0.1 in March 2017 and April 2018 to 4.3 ± 249.6 in September 2017 (Table 7). Population estimates ranged from 73.9 ± 325.1 in March 2017 to 3921.7 ± 19126.5 individuals in September 2017, which was less than but similar to the population estimate of 8516 calculated by Hargrave (2013). Mean density for Pecos Gambusia ranged from 0.8 ± 14.8 in March 2017 to 4.1 ± 25.5 in December 2018. Population estimates ranged from 760.7 ±1137.8 to 3796.2 ±1950.6. Mean density for Largespring Gambusia ranged from 3.3±162.6 in December 2018 to 29.4 ±796.9 in July 2017. Population estimates ranged from 3072.4 ±12462.0 to 27038.5 ±61063.8. Mean density for Texan Tetra ranged from 0.0 for three collection dates (March 2017, April 2018, and December 2018) to 4.3±0.0 in June 2018. Population estimates ranged from 0 to 3966.0 ±28554.2. These density and population estimate numbers are similar to those observed by Hargrave (2013; 0 to 1500 individuals). Largespring Gambusia was the most abundant species collected in the Hubbs Ciénega (n=13308) compared to Pecos Gambusia (n=1973), Comanche Springs Pupfish (n=1147), and Texan Tetra (n=635).

In the Balmorhea State Park Canals, mean density and population estimates were calculated for the four most abundant species for seasonal sampling events in 2017 and 2018. Mean density for Comanche Springs Pupfish ranged from 0.1 in March 2017, December 2017, and December 2018 to 0.8 ± 22.6 with the highest mean density observed in September 2017 (Table 7). Population estimates ranged from 66.3 ± 221.0 in December 2018 to 806.1 ± 1414.3 individuals in September 2017. Mean density for Pecos Gambusia ranged from 0.4 ± 22.6 in March 2017 to 2.2 ± 19.1 in September 2017. Population estimates ranged from 418.3 ±1414.3 to 2127.4 ±1193.3. Mean density for Largespring Gambusia ranged from 2.6±333.8 in December 2018 to 18.4 ±854.2 in September 2017. Population estimates ranged from 2520.3 ±20861.5 to 17539.9 ±53391.2. Mean density for Texan Tetra ranged from 0.0 for three collection dates

(March 2017, April 2018, and December 2018) to 0.5±67.9 in December 2017. Population estimates ranged from 0 to 489.8 ±4243.0. Largespring Gambusia was the most abundant species collected in the canals (n=11789) compared to Pecos Gambusia (n=1697), Comanche Springs Pupfish (n=391), and Texan Tetra (n=178).

Visual and Mark-Recapture Surveys

A total of 3357 Comanche Springs Pupfish were counted for minnow traps and visual surveys in March and October 2019. March visual survey abundances were highest in the San Solomon Pool and lowest in San Solomon Ciénega, while minnow trap abundances were highest in Hubbs Ciénega and lowest in San Solomon Ciénega (Acre et. al 2020) (Table 8). October visual count abundances were highest in San Solomon Ciénega and lowest in San Solomon pool, while abundances based on minnow traps were highest in San Solomon Ciénega and lowest in the canal. Estimated abundances were consistently highest in the Hubbs Ciénega across seasons.

Table 8. Comanche Springs Pupfish population size estimates (upper and lower 95% confidence interval) for habitats at Balmorhea State Park conducted in March and October 2019 using visual count and minnow trap survey methods. This table is adapted from Acre et al. (2020).

Sampling Date	Survey Method	Canal	Hubbs Ciénega	San Solomon Pool	San Solomon Ciénega	Total
March 2019	Visual	311 (183-779)	5,145 (2,572-25,724)	1,930 (965-9,650)	-	7,966 (5,494-13,277)
March 2019	Minnow Trap	439 (263-987)	4,435 (2,745-9,608)	1,281 (514-∞)	-	6,724 (4,747-10,759)
October 2019	Visual	935 (468-3,741)	15,591 (7,796-77,956)	1,145 (700-2,520)	44,724 (17,890-∞)	25,588 (17,592-43,302)
October 2019	Minnow Trap (3 nights)	-	5,901 (2,950-29,507)	443 (253-1,182)	4,701 (2,351-18,805)	9,631 (6,298-18,193)
October 2019	Minnow Trap (4 nights)	1,021 (438-∞)	5,114 (3,069-11,507)	427 (272-853)	4,327 (2,754-8,654)	9,125 (6,887-13,037)

Genetics

Comanche Springs Pupfish

Allele distributions for Comanche Springs Pupfish overlapped with Sheepshead Minnow at AC1 and GATA2. This could be due to hybridization, or homology, among other factors. However, the WSP-02 locus was monomorphic with no shared alleles, indicating a lack of hybridization with Sheepshead Minnow. This is consistent with the mitochondrial haplotypes which in combination with the nuclear markers supports a conclusion of no hybridization.

The Hubbs Ciénega and San Solomon Ciénega populations exhibited similar allelic diversity. Some private alleles were observed at GATA2 in the San Solomon population, but all were ~5% prevalence or less and could be the product of the smaller sample size at Hubbs Ciénega. The Phantom Lake Springs population (largest sample size) exhibited the fewest number of alleles. Phantom Lake Springs was monomorphic at the locus AC1 and did not exhibit an allele common to other populations (AC1-172b); all other populations exhibited two alleles at AC1 (including East Sandia Springs which was omitted from analyses based on its sample size of one). At the locus GATA2, Phantom Lake Springs exhibited 1-2 fewer alleles than the other populations as well as a smaller size range of alleles, and no private alleles were observed within this population.

For Phantom Lake Springs, a shrinking population or bottleneck due to a founder event (with founders derived from the Balmorhea State Park populations or a similar population) would be consistent with these observations. Global-Fst values indicated that Hubbs Ciénega and San Solomon Ciénega were much more similar to each other than to the Phantom population.

The genetic markers used here were not informative enough to make reliable estimates of effective population size. More genetic resources need to be developed for this species.

Pecos Gambusia

Mitochondrial haplotypes of Western Mosquitofish were only found at the Diamond Y site (Figure 28). Haplotypes of Largespring Gambusia were most abundant in Balmorhea State Park canals and absent from Diamond Y. Haplotypes of Pecos Gambusia were found at all sites and were at greatest frequency at San Solomon Ciénega.

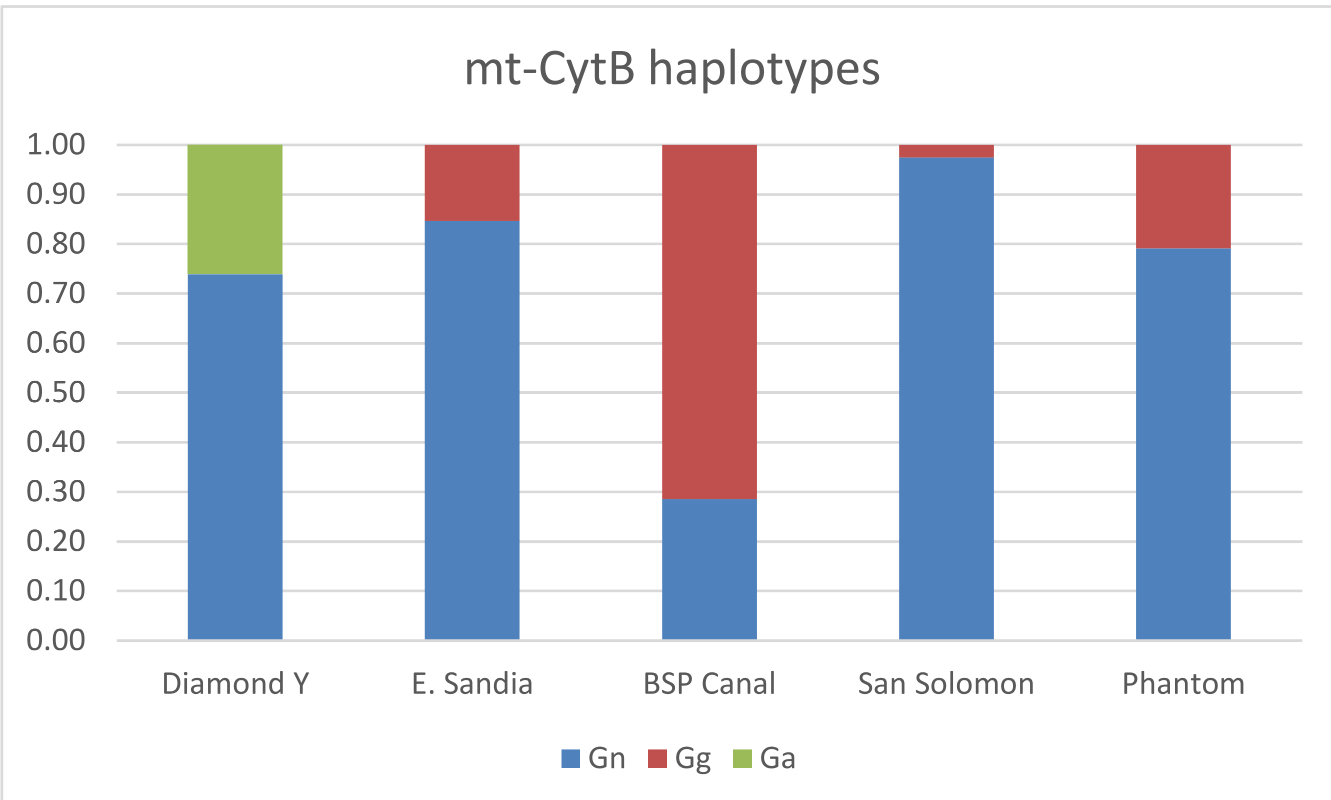

Figure 28. Frequency of mt-CytB haplotypes among sites for Pecos Gambusia (Gambusia nobilis; Gn), Largespring Gambusia (G. geiseri; Gg), and Western Mosquitofish (G. affinis; Ga).

The distribution of nuclear alleles based on the *RPS7*-based indel and single nucleotide polymorphism (SNP) assays were similar to the patterns observed for mitochondrial haplotypes (Figure 29).

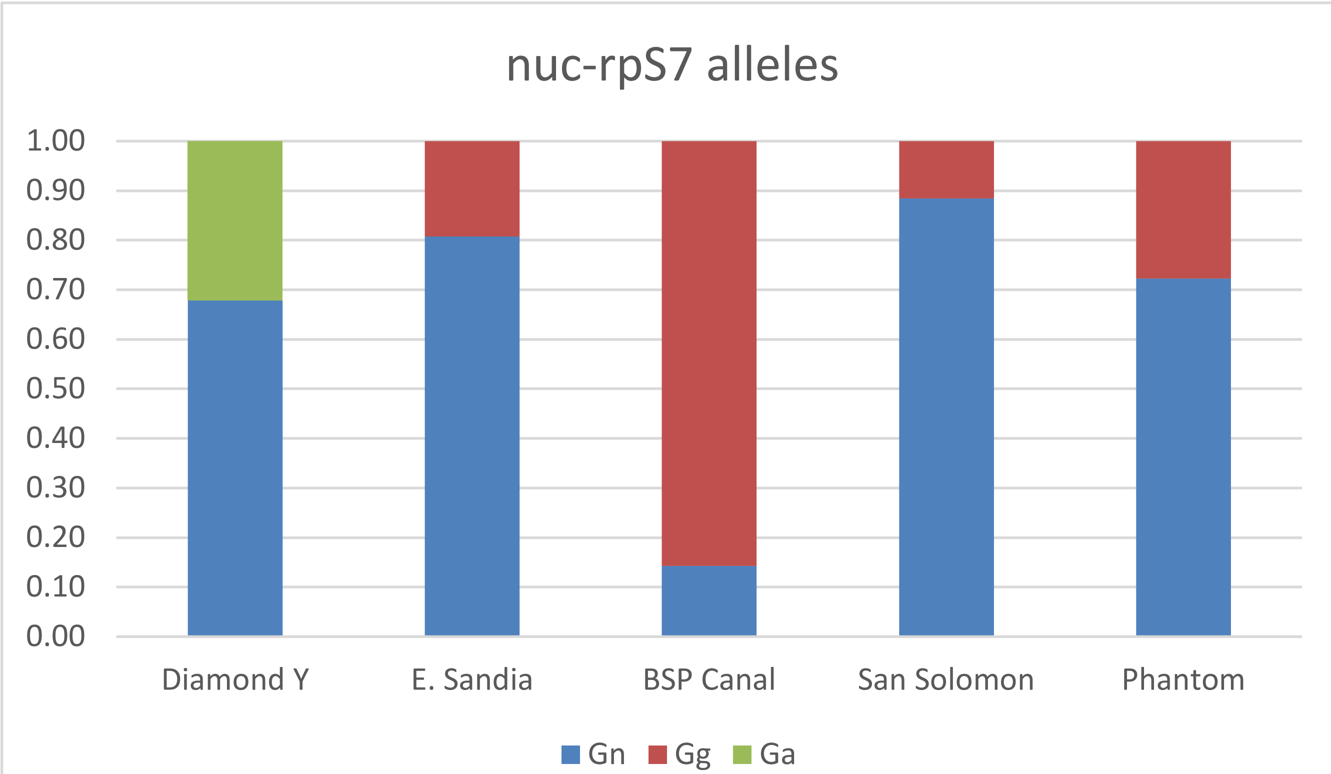

Figure 29. Frequency of nuclear-RPS7 alleles among sites for Pecos Gambusia (Gambusia nobilis; Gn), Largespring Gambusia (G. geiseri; Gg), and Western Mosquitofish (G. affinis; Ga).

Combined mito-nuclear genotypes indicated that hybrids occurred at all five sites but were at lowest frequency at the Diamond Y site (Figure 30). The single hybrid observed at Diamond Y was a non-F1 hybrid (Western Mosquitofish cross) with Pecos Gambusia mitochondria. The greatest frequency of hybrids was observed at the San Solomon Ciénega even though the greatest Pecos Gambusia mt-haplotype and nuclear allele frequencies were also observed here. Hybrids observed at San Solomon Ciénega were exclusively F1-hybrids (Largespring Gambusia crosses) with Pecos Gambusia mitochondria, as was the hybrid recovered from the East Sandia site. In contrast, the lone hybrid collected from the BSP Canal was a non-F1 hybrid (Largespring Gambusia cross) with a Pecos Gambusia mitochondria. Both hybrid types were found at the Phantom site.

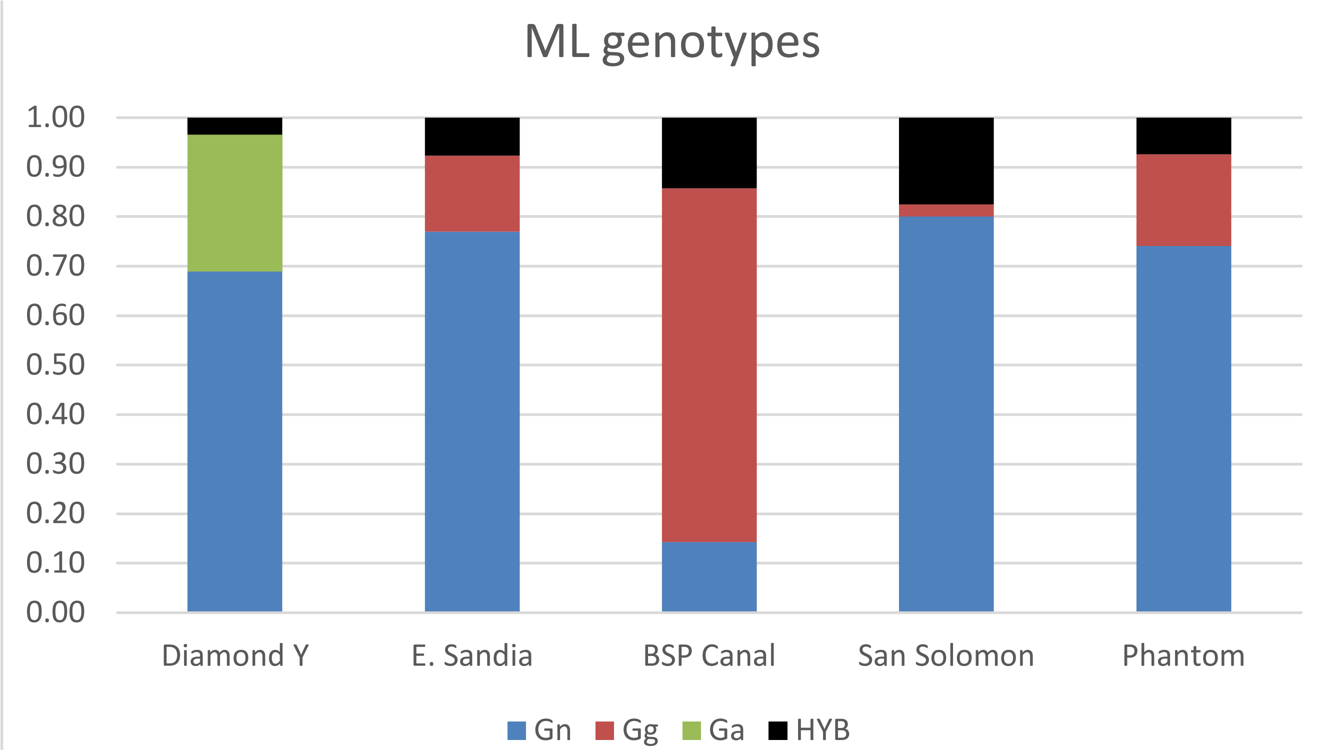

Figure 30. Frequency of cumulative genotypes among sites for Pecos Gambusia (Gambusia nobilis; Gn), Largespring Gambusia (G. geiseri; Gg), and Western Mosquitofish (G. affinis; Ga)., and their hybrids (HYB).

In all cases where hybrids were recovered the mitochondria were of Pecos Gambusia origin. This suggests asymmetrical hybridization with Pecos Gambusia females mating with non-conspecific mates, asymmetrical introgression due to greater fitness in hybrid crosses of this direction, and/or a greater propensity for non-conspecific males to encounter populations of Pecos Gambusia.

Of the Pecos Gambusia mitochondria sequences recovered, all individuals exhibited identical haplotypes with the exception of samples from the Diamond Y site. At the Diamond Y site, four Pecos Gambusia-like haplotypes were recovered with the most frequent haplotype being identical to the haplotype recovered at all other sites. A unique Pecos Gambusia-like haplotype was shared by 3 individuals, another by 2 individuals, and a third unique haplotype was recovered from a single individual at Diamond Y. All unique Pecos Gambusia –like haplotypes differed from the consensus haplotype by a single substitution.

Given that a number of non-F1 hybrids were identified using a single mitochondrial and nuclear locus, there may be additional unresolved hybridization in these samples as well. Sequencing or genotyping at additional markers would be useful but still needs to be developed.

Headwater Catfish

Mitochondrial sequences for MT-CYB were all consistent with Headwater Catfish (no other catfish species sequences were recovered) and highly similar to MT-CYB sequences of Headwater Catfish previously collected from the Delaware River, TX. For the nuclear-RAG2 SNP analyses, 10% of alleles recovered were consistent with Channel Catfish. All other alleles were consistent with Headwater Catfish. All Channel Catfish alleles were recovered in a heterozygous state with Headwater Catfish alleles. The combined mito-nuclear genotypes indicated 20% of samples were hybrids of Headwater x Channel Catfish and all hybrids took the form of potential F1s (first generation hybrids).

Benthic Macroinvertebrates

A total of 182,893 individual benthic macroinvertebrates were collected, comprising 54 distinct taxa. The complete Invertebrate dataset is included as Appendix A. The five focal macroinvertebrate species that dominated the overall macroinvertebrate assemblage, comprising 97% (177,357) of all individuals collected (Table 9): Phantom tryonia (19,820 individuals), Phantom springsnail (53,292 individuals), diminutive amphipod (26,975 individuals), red-rimmed melania (19,499 individuals), and quilted melania (57,771 individuals). The diminutive amphipod, Phantom tryonia and Phantom springsnail were found at all 7 sites, with West Sandia Springs representing a new locale for these rare species (Table 9). However, collections for Phantom springsnail and Phantom tryonia were limited to one individual each at West Sandia Springs and should be further verified for viable populations. The diminutive amphipod dominated the community at West Sandia Springs, accounting for 2,681 (88%) of the 3,054 individuals collected. Similarly, the macroinvertebrate community at East Sandia Springs was also dominated by the diminutive amphipod, which accounted for 4,592 (75%) of the 6,096 individuals collected.

The exotic red-rimmed melania and quilted melania were found at all sites; however, the number of individuals of both species at the Sandia sites were substantially lower than the other locations. At East Sandia Springs, a total of n = 5 quilted melania and n = 1 red-rimmed melania were found in samples and, at West Sandia Springs, n = 1 red-rimmed melania was collected. The exotic snails dominated the community of the man-made ciénegas in Balmorhea State Park, comprising 85% and 89% of the individuals collected from the Hubbs and San Solomon ciénegas, respectively. Very few native snails were collected from the man-made ciénegas.

San Solomon Springs was dominated by snails in general. Gastropods accounted for 26,653 (91%) of the 29,141 individuals collected, with Phantom tryonia (47%) and quilted melania (34%) being the most abundant and Phantom springsnail only accounting for 0.5% (145 individuals). The heavily altered, yet consistent, habitat at Phantom Lake Springs supported the greatest number of Phantom springsnail with 91% of the 60,669 individuals collected.

Seasonality of collections for the focal species was investigated by plotting the raw collection data for each species by site. Analysis of this data revealed no seasonal trends at any of the spring systems. Bar graphs generated from this analysis are included as Appendix B.

Table 9. Total number of focal invertebrate species collected by site.

Site	*Gammarus*	*Tryonia*	*Pyrgulopsis*	*Tarebia*	*Melanoides*
San Solomon Springs	1,989	13,676	145	9,804	2,909
Canal	10,621	1,847	1,836	28,830	1,740
Hubbs Ciénega	519	262	11	5,158	3,977
San Solomon Ciénega	2,965	21	1	13,912	8,884
East Sandia Springs	4,592	710	152	3	1
West Sandia Springs	2,681	1	1	2	1
Phantom Lake Springs	3,608	3,303	51,146	60	1,942
Total	**26,975**	**19,820**	**53,292**	**57,769**	**19,454**

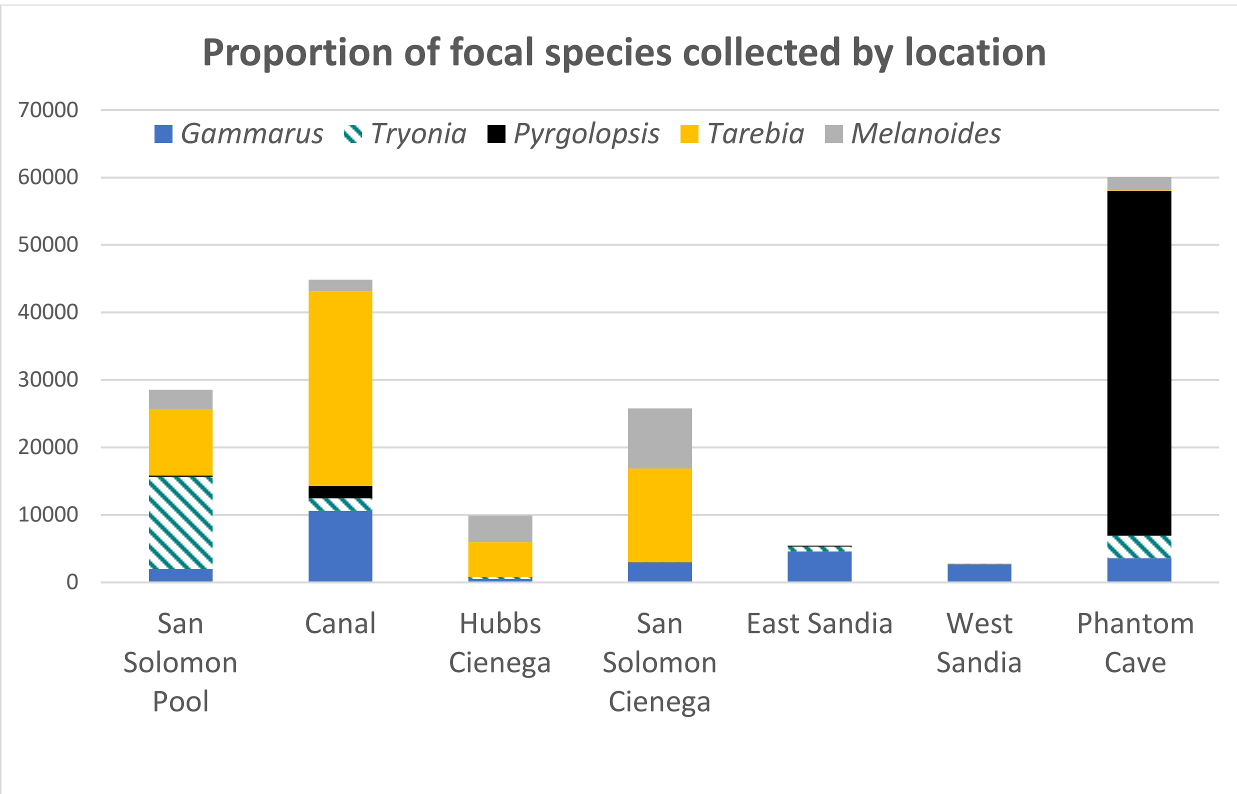

Figure 31. Proportion of macroinvertebrate focal species collected by locations.

Water physicochemistry and mesohabitat availability gradients

Across all seven sampling locations, benthic habitat and water physicochemistry was collected for *n* = 691 mesohabitat points. The water quality data used in this analysis constitutes the majority (691 of 710 sampling points) of the water quality data discussed in subsequent sections of this report. Over the entire study period, sites were extensively sampled, with the San Solomon Pool (*n* = 152), the San Solomon Canal (*n* = 155), and the San Solomon Ciénega (*n* = 115) being the largest sites (by area) and thus having the greatest number of samples collected. Although the remaining sites were smaller, we attempted to sample them extensively for their size (i.e., East Sandia Springs: *n* = 110 samples, West Sandia Springs: *n* = 71 samples, Hubbs Ciénega: *n* = 43 samples, Phantom Lake Springs: *n* = 45 samples).

Water quality measured *in situ* differed among sites, with East and West Sandia sites generally having higher specific conductivity, the Hubbs and San Solomon ciénega sites having higher DO concentrations, and the San Solomon Canal having the warmest water temperatures (Table 10). However, like other groundwater-influenced systems, there was limited variation in physicochemical characteristics at a site across sampling dates.

Table 10. Summary of water quality data measured in situ at sampling locations across sites. Values represent mean values with standard deviation.

Location	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)
East Sandia Springs	20.32 ± 1.46	7.08 ± 0.16	4213.71 ± 189.63	6.42 ± 1.20
West Sandia Springs	20.54 ± 0.63	7.22 ± 0.18	4004.18 ± 155.32	5.26 ± 1.40
San Solomon Pool	24.85 ± 0.44	7.14 ± 0.12	3321.39 ± 129.09	4.30 ± 1.21
San Solomon Canal	25.17 ± 0.81	7.28 ± 0.16	3335.70 ± 135.98	6.07 ± 1.37
Hubbs Ciénega	24.73 ± 1.43	7.44 ± 0.12	3298.16 ± 138.88	8.54 ± 1.77
San Solomon Ciénega	22.74 ± 3.67	7.61 ± 0.17	3305.32 ± 168.78	8.43 ± 1.88
Phantom Lake Springs	23.83 ± 1.74	7.38 ± 0.24	3570.35 ± 90.32	5.65 ± 2.28

BMI habitat associations

In the PCA examining gradients of water physicochemistry and mesohabitat conditions within and across sites, the first three PCs (PC axes 1 - 3) explained 37.7% of the variation in the data (Figure 32a and b). The first PC (Figure 32a) accounted for 15.8% of the variation in the data and described a gradient of sampling points characterized by higher percent cover of silt and higher pH and DO concentrations to sampling points characterized by sand and higher water temperatures. PC 2 described a gradient of points with higher percent cover or *Chara* and higher water temperatures and pH to points characterized by a benthic cover of organic detritus and silt and higher water conductivity. There was a strong site influence on the sampling point benthic habitat and water physicochemical characteristics, as indicated by the inclusion of “Site” in PC 1. Indeed, the distribution of sampling points from the different sites along PC 1 clearly portrays differences among the ciénega sites to the other San Solomon sites (the Canal and the Pool). PC 2 portrays a difference between conditions at the San Solomon sites and Phantom Lake Springs and the conditions at the East and West Sandia sites. PC 3 described a gradient between a group of sampling points in the San Solomon Pool and Phantom Lake Springs characterized by high coverage of *Chara*, silt, and concrete. Comparatively, a group of sampling points in the San Solomon Canal and West Sandia Springs are characterized by higher percent coverage of sand and spike rush (Figure 32b).

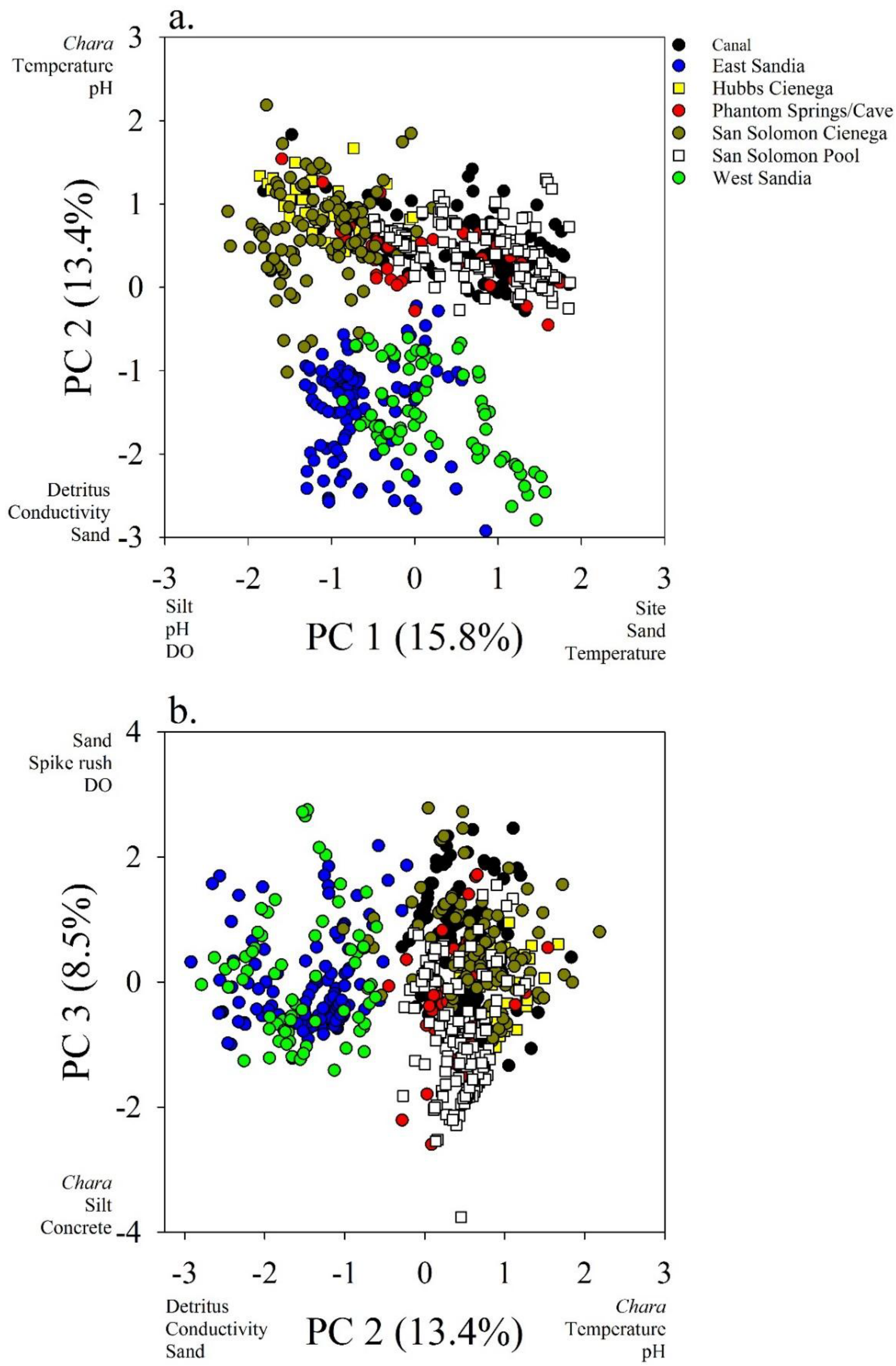

Figure 32. Global PCA analysis of water physicochemistry and mesohabitat data within and across sites.

The global RDA (including all local habitat conditions and sites) model result was significant (p < 0.05), explaining a substantial amount of the variation in community structure (R^2_{Adj} = 51.5%) (Figure 33a). In the global model, significant predictors included both local habitat/environmental factors and all site locations. Overall, the model demonstrated that there is a great deal of covariation among local habitat types and sites. For example, the ciénega sites were characterized by higher water temperatures, greater pH, higher DO, and greater percent cover of filamentous algae. In addition, the two non-native snails *Melanoides* and *Tarebia* were primarily associated with these sites and local conditions. RDA results exploring the relationships between species and only local habitat and physicochemical conditions (but not controlling for the influence of site were significant ($p < 0.05$) and explained 32.3% of the variation in community structure (Figure 33b). In this model, several species had strong associations with local conditions: the native springsnails, Phantom Springsnail and Phantom Tryonia, were associated with boulder habitats; Diminutive Amphipod was associated with sites of higher conductivity and greater coverage of roots and detritus; and the non-native, Red-rimmed Melania and Quilted Melania, were associated with greater temperatures, pH, and DO and coverage of the macrophytes Spike Rush (*Eleocharis* sp.) and *Chara*. The RDA model run examining the effects of site (but not controlling for the influence of local habitat and physicochemical conditions) was also significant ($p < 0.05$) and explained 50.9% of the variation in community structure (Figure 33c). This model was able to separate the seven sites into three major groups: the first including ES and WS, the second including PHA and SSP, and the third including CAN, HC, and SSC. Among these sites, the model results indicated that Diminutive Amphipod dominated the community structure in ES and WS, the endangered springsnails dominated community structure in PHA and SSP, and non-native snails dominated the community structure in CAN, HC, and SSC.

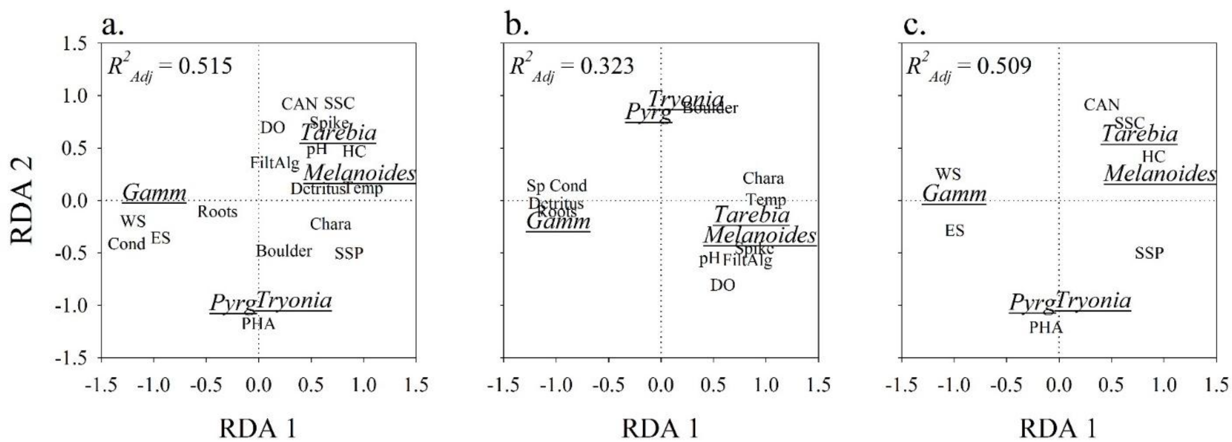

Figure 33. Global RDA models.

A partial RDA model was used to determine the pure effects of site specification and environmental factors separately. Each RDA model was run so that the effects of each group of factors (local habitat and physicochemical conditions versus site location) were individually assessed while controlling for the effects of the other group of factors. The partial RDA examining the effects of local habitat and physicochemical factors (while controlling for the influence of site locations) was significant ($p < 0.05$), but only explained a small amount of variation in community structure (0.6%; Figure 34a). In this model, only three predictors and three species were significant. Overall, the partial RDA showed that diminutive amphipod was associated with cobble substrates, while red-rimmed melania and Phantom Tryonia were positively associated with *Chara* and negatively associated with spike rush. The partial RDA model results examining the pure effects of site location was significant ($p < 0.05$) and explained substantially more of the variation in community structure (19.3%; Figure 34b). In this partial model, the non-native red-rimmed melania was primarily associated with the San Solomon Pool, whereas Phantom tryonia was associated with the two ciénegas and the San Solomon Canal. In contrast, Phantom Springsnail was primarily associated with the Phantom Lake site and Phantom tryonia was associated with Phantom and the San Solomon Pool sites. Diminutive Amphipod was associated with several sites including Phantom Lake Springs, the Canal, and West Sandia.

Variance partitioning indicated that the pure effects of environmental factors accounted for 1% of the variation in community structure, whereas the pure effects of site location accounted for 19% of the variation in community structure. Variance partitioning indicates significant collinearity between environmental factors and site location (32%), because many substrate and vegetation types were site-specific. For example, spike rush was only found in the San Solomon Canal, the majority of concrete substrate was found in the San Solomon Pool, and substantial coverage of benthic detritus was found in San Solomon Pool.

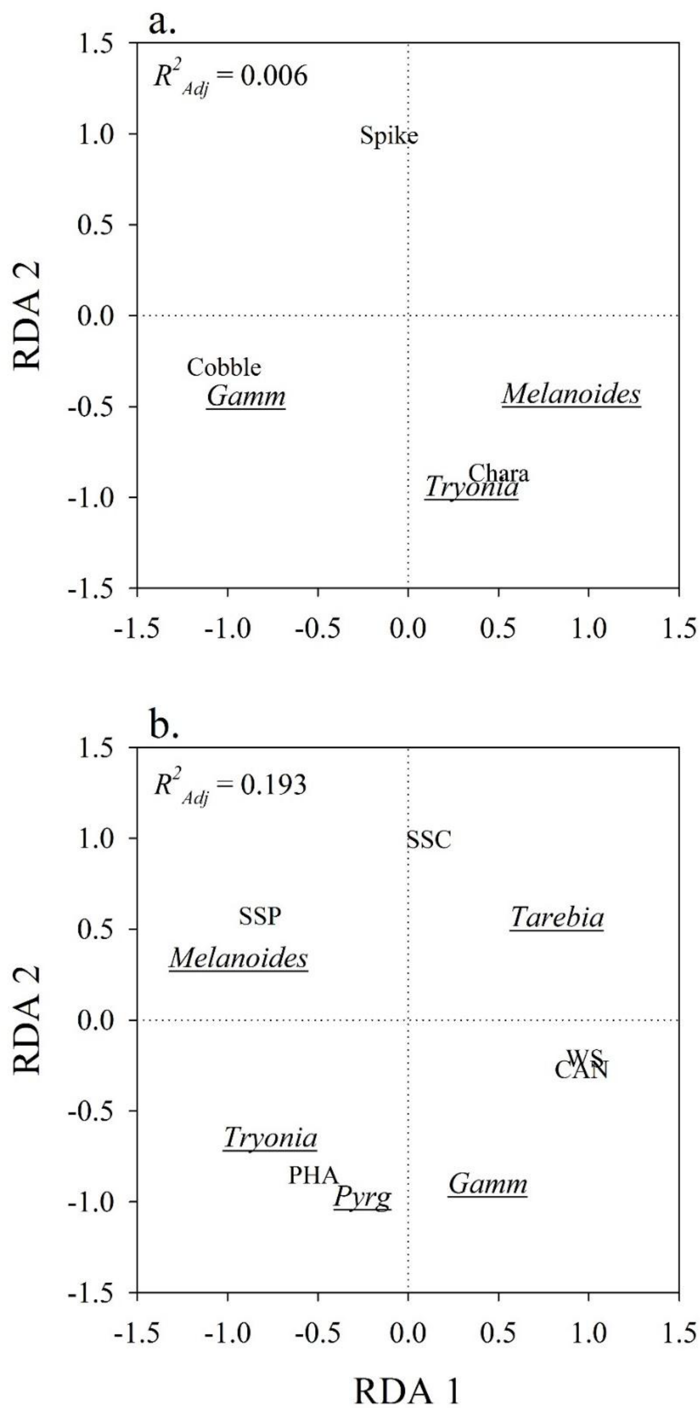

Figure 34. Partial RDA analysis.

Separate RDA models were performed for each of the seven sites examining the effects of local habitat conditions on community structure and composition. Site-specific local habitat associations for some of the species become apparent (Figure 35a – f) with six out of the seven sites showing significant associations (p < 0.05), with only the West Sandia site not exhibiting any significant habitat/physicochemical predictors or species. Patterns in local habitat associations were not as clear, but patterns emerged for several species. Diminutive amphipod was associated with larger benthic substrates (sand and gravel) across several sites, whereas non-native red-rimmed melania was associated with cover of fine silts. Phantom springsnail did not exhibit any consistent positive habitat associations across sites, but there was a negative association with silt substrates. Finally, Phantom tryonia had its highest densities at the San Solomon Pool site in association with concrete substrates.

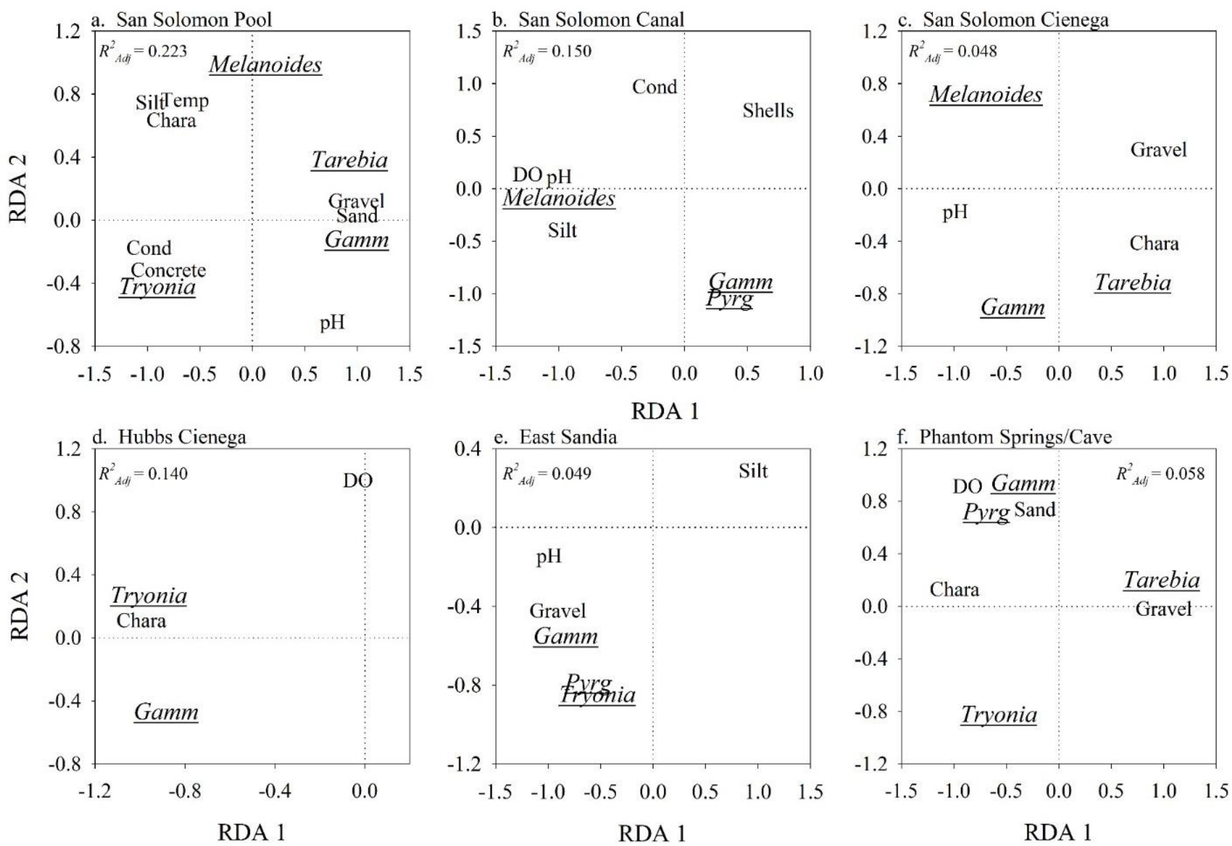

Figure 35. Site Specific RDA Models.

Site specific densities and population estimates

Densities (number of individuals per m^2) of the five focal species of interest varied among sites, in some cases by orders of magnitude (Figs. 36 – 40). Diminutive amphipod did not exhibit substantial temporal variation between 2017 and 2018 and the densities of this species were highest at the Sandia sites, the San Solomon Canal, and at Phantom Lake (Figure 36a – g). Phantom tryonia was present at all sites with highest densities at the San Solomon Pool and Phantom Lake Spring and lowest at West Sandia Springs and the San Solomon Ciénega (Figure 37a – g). Phantom springsnail densities varied substantially among sampling sites but were orders of magnitude greater at the Phantom Lake site, averaging >100,000 individuals/m^2 at the site across the study period (Figure 38a – g). The two non-native melania occurred at variable densities across the study sites (Figs. 39 and 40) but were not detected at East and West Sandia springs in 2017 (Figure 39a and b; Figure 40a and b). However, both species were detected at those sites in very low densities in 2018.

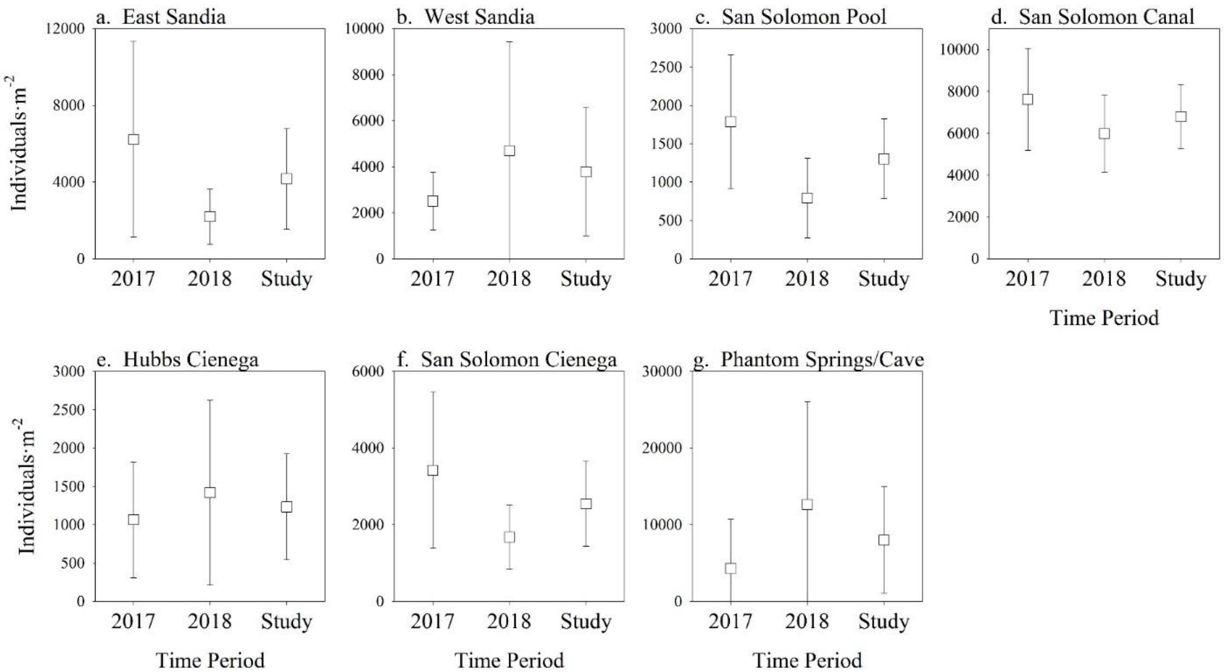

Figure 36. Density estimates and 95% confidence intervals for diminutive amphipod (Gammarus hyalelloides).

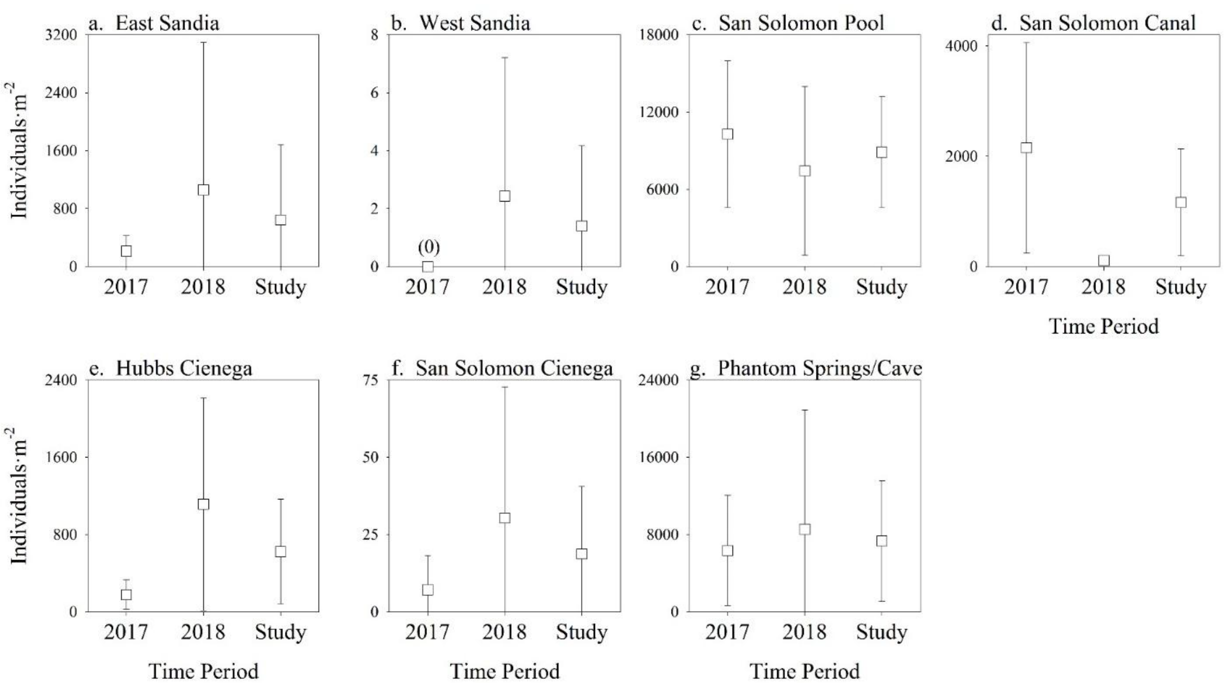

Figure 37. Density estimates and 95% confidence intervals for Phantom tryonia (Tryonia cheatumi).

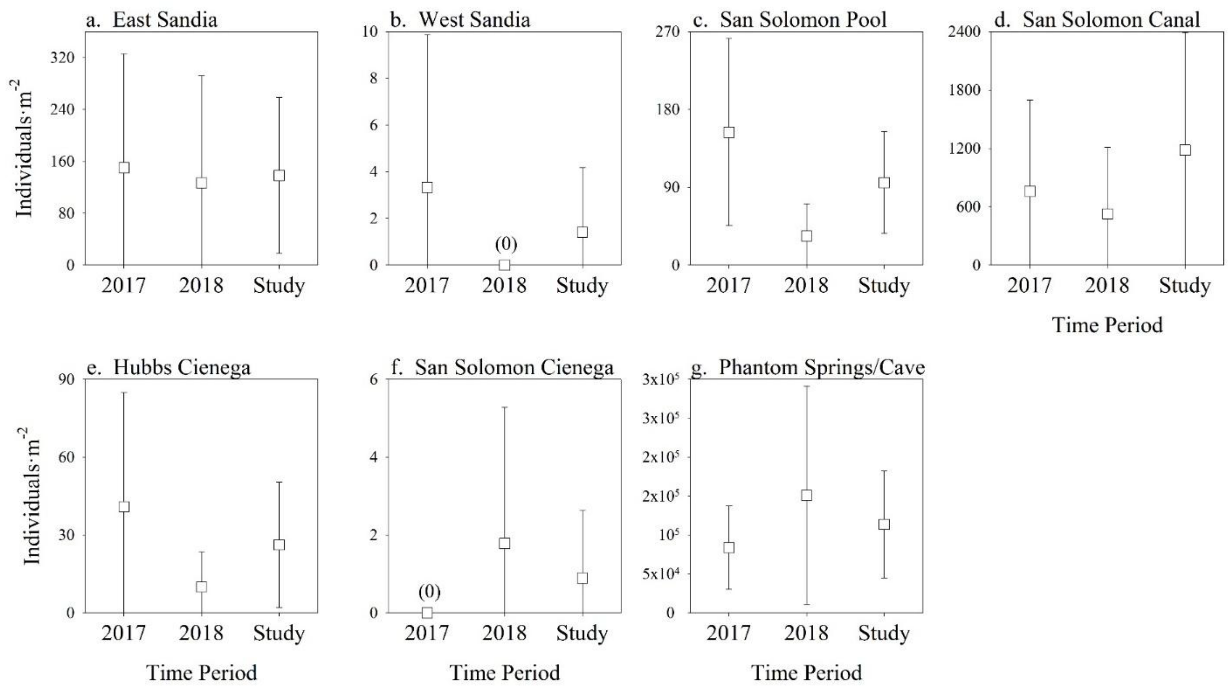

Figure 38. Density estimates and 95% confidence intervals for Phantom springsnail (Pyrgulopsis texana).

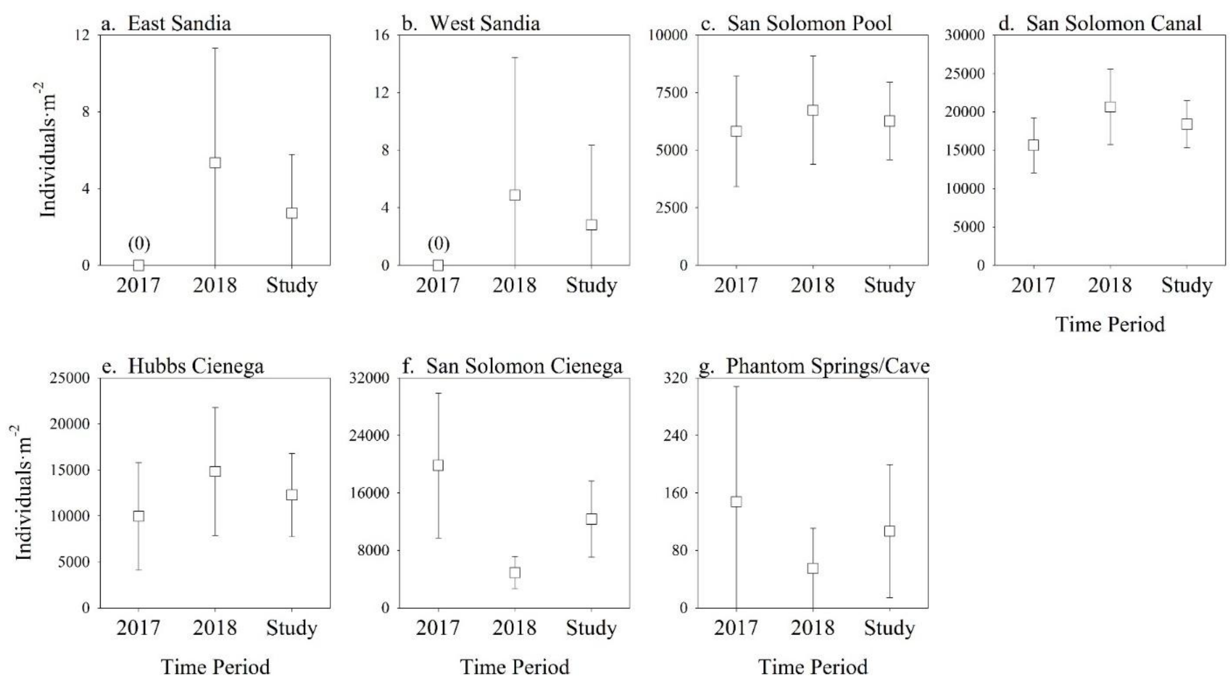

Figure 39. Density estimates and 95% confidence intervals for quilted melania (Tarebia granifera).

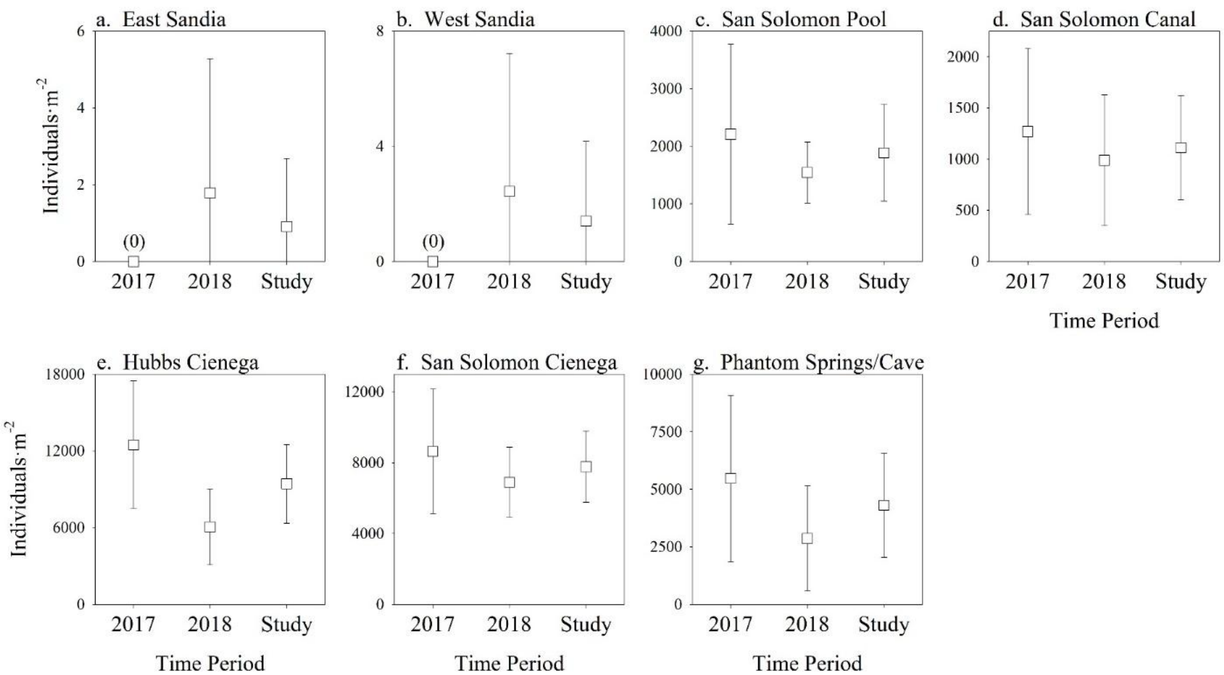

Figure 40. Density estimates and 95% confidence intervals for red-rimmed melania (Melanoides tuberculatus).

Though found across all the seven study sites, each focal species had sites where they were more predominant (Table 11-15). Diminutive Amphipod populations were greatest in the San Solomon Canal site (>19 x 10^6 individuals, representing 41.6% of the regional population estimate), with the San Solomon Pool (17%) and the San Solomon Ciénega (25%) representing other sizable populations in the region. The native spring snail Phantom tryonia population was highest at the San Solomon Pool at Balmorhea State Park, which comprised 90% of the regional population estimate. Phantom Springsnail also had most of its regional population at one site with 75% (12 x 10^6 individuals) at Phantom Lake and most of the remainder (21%) at the San Solomon Canal. Non-native quilted melania and red-rimmed melania were both found in higher numbers in the San Solomon Ciénega. Quilted melania populations were also large (> 30 x 10^6 individuals) at the San Solomon Canal and the San Solomon Pool.

Table 11. Population estimates for diminutive amphipod (G. hyalelloides) by site and for all sites combined.

Site	Study year	Population Estimate	Range
San Solomon Pool	2017	9,936,692	(5,102,168 - 14,771,217)
	2018	4,407,260	(1,515,579 - 7,298,940)
	Avg.	7,244,732	(4,367,504 - 10,121,959)
San Solomon Canal	2017	21,807,399	(14,827,177 - 28,787,621)
	2018	17,125,048	(11,835,023 - 22,415,073)
	Avg.	19,420,910	(15,062,511 - 23,779,310)
San Solomon Ciénega	2017	14,849,000	(6,001,247 - 23,696,753)
	2018	7,285,000	(3,655,870 - 10,914,130)
	Avg.	11,067,000	(6,255,308 - 15,878,693)
Hubbs Ciénega	2017	1,116,818	(3,32,576 - 1,911,061)
	2018	1,491,000	(226,447 - 2,755,553)
	Avg.	1,295,000	(570,159 - 2,019,841)
East Sandia Springs	2017	3,754,233	(677,125 - 6,831,342)
	2018	1,324,446	(457,550 - 2,191,343)
	Avg.	2,517,251	(934,470 - 4,100,031)
West Sandia Springs	2017	850,890	(337,763 - 2,222,403)
	2018	1,594,127	(423,996 - 1,277,784)
	Avg.	1,280,083	(337,763 - 2,222,403)
Phantom Lake Springs	*2017*	*464,400*	*(0 - 1,156,480)*
	2018	*1,367,820*	*(0 - 2,812,928)*
	Avg.	*865,920*	*(115,233 - 1,616,607)*
All sites combined		**43,690,896**	**(27,642,948 - 59,738,844)**

Table 12. Population estimates for Phantom tryonia (T. cheatumi) by site and for all sites combined.

Site	Study year	Population Estimate	Range
San Solomon Pool	2017	57,162,692	(25,559,251 - 88,766,133)
	2018	41,377,184	(5,027,369 - 77,726,998)
	Avg.	49,477,642	(25,520,917 - 73,434,367)
San Solomon Canal	2017	6,154,181	(712,138 - 11,596,224)
	2018	320,672	(51,342 - 590,001)
	Avg.	3,333,041	(559,177 - 6,106,905)
San Solomon Ciénega	2017	31,000	(0 - 78,772)
	2018	131,750	(0 - 315,577)
	Avg.	81,375	(0 - 176,376)
Hubbs Ciénega	2017	186,136	(25,389 - 346,884)
	2018	1,170,750	(15,867 - 2,325,633)
	Avg.	655,000	(85,865 - 1,224,135)
East Sandia Springs	2017	129,533	(1,155 - 257,912)
	2018	639,611	(0 - 1,867,644)
	Avg.	389,209	(0 - 1,016,600)
West Sandia Springs	2017	0	(-)
	2018	827	(0 - 2,447)
	Avg.	478	(0 - 1,413)
Phantom Lake Springs	2017	686,448	(69,342 - 1,303,554)
	2018	925,020	(0 - 130,3554)
	Avg.	792,480	(115,830 - 1,469,130)
All sites combined		**54,729,225**	**(26,281,789 - 83,428,926)**

Table 13. Population estimates for Phantom springsnail (P. texana) by site and for all sites combined.

Site	Study year	Population Estimate	Range
San Solomon Pool	2017	854,769	(255,080 - 1,454,459)
	2018	187,703	(0 - 393,300)
	Avg.	530,013	(203,083 - 856,943)
San Solomon Canal	2017	2,173,573	(0 - 4,851,109)
	2018	1,506,770	(0 - 3,458,598)
	Avg.	3,380,998	(0 - 6,841,003)
San Solomon Ciénega	2017	0	(-)
	2018	7,750	(0 - 22,940)
	Avg.	3,875	(0 - 11,470)
Hubbs Ciénega	2017	42,955	(0 - 89,190)
	2018	10,500	(0 - 24,664)
	Avg.	27,500	(2,154 - 52,846)
East Sandia Springs	2017	90,450	(0 - 196,527)
	2018	76,452	(0 - 175,997)
	Avg.	83,324	(10,983 - 155,664)
West Sandia Springs	2017	1,130	(0 - 3,345)
	2018	0	(-)
	Avg.	478	(0 - 1,414)
Phantom Lake Springs	2017	9,042,624	(3,248,832 - 14,836,416)
	2018	16,312,860	(1,182,620 - 31,443,100)
	Avg.	12,273,840	(4,841,039 - 19,706,641)
All sites combined		**16,300,028**	**(5,057,259 - 27,625,981**)

Table 14. Population estimates for quilted melania (Tarebia granifera) by site and for all sites combined.

Site	Study year	Population Estimate	Range
San Solomon Pool	2017	32,388,631	(19,080,529 - 45,696,732)
	2018	37,412,903	(24,349,252 - 50,476,553)
	Avg.	34,834,658	(25,524,919 - 44,144,397)
San Solomon Canal	2017	44,783,669	(34,541,087 - 55,026,252)
	2018	59,084,712	(45,014,794 - 73,154,631)
	Avg.	52,542,887	(43,751,427 - 61,334,346)
San Solomon Ciénega	2017	85,994,000	(42,327,806 - 129,660,194)
	2018	21,273,750	(11,570,034 - 30,977,466)
	Avg.	53,633,875	(30,569,619 - 76,698,131)
Hubbs Ciénega	2017	10,466,591	(4,344,566 - 16,588,616)
	2018	15,566,250	(8,277,986 - 22,854,514)
	Avg.	12,895,000	(8,163,709 - 17,626,291)
East Sandia	2017	0	(-)
	2018	3,230	(0 - 6819)
	Avg.	1,645	(0 - 3,488)
West Sandia	2017	0	(-)
	2018	1,654	(0 - 4895)
	Avg.	955	(0 - 2,827)
Phantom Lake	2017	15,984	(0 - 33,173)
	2018	5,940	(0 - 11,981)
	Avg.	11,520	(1,532 - 21,508)
All sites combined		**153,920,540**	**(108,011,206 - 199,830,988)**

Table 15. Population estimates for red-rimmed melania (M. tuberculatus) by site and for all sites combined.

Site	Study year	Population Estimate	Range
San Solomon Pool	2017	12,287,308	(3,605,537 - 20,969,079)
	2018	8,596,784	(5,651,779 - 11,541,789)
	Avg.	10,490,605	(5,816,074 - 15,165,137)
San Solomon Canal	2017	3,632,396	(1,314,476 - 5,950,317)
	2018	2,828,092	(1,002,661 - 4,653,523)
	Avg.	3,181,790	(1,727,708 - 4,635,873)
San Solomon Ciénega	2017	37,510,000	(22,265,372 - 52,754,628)
	2018	29,953,750	(21,365,046 - 38,542,454)
	Avg.	33,731,875	(24,994,279 - 42,469,471)
Hubbs Ciénega	2017	13,105,909	(7,872,688 - 18,339,130)
	2018	6,363,000	(3,243,946 - 9,482,054)
	Avg.	9,895,000	(6,645,836 - 13,144,164)
East Sandia Springs	2017	0	(-)
	2018	1,077	(0 - 3,187)
	Avg.	548	(0 - 1,623)
West Sandia Springs	2017	0	(-)
	2018	827	(0 - 2,447)
	Avg.	478	(0 - 1,413)
Phantom Lake Springs	2017	590,544	(199,723 - 981,365)
	2018	308,880	(62,727 - 555,033)
	Avg.	465,360	(221,180 - 709,540)
All sites combined		**57,765,656**	(39,405,077 - 76,127,221)

Water Quantity

Discharge was measured at San Solomon Springs from May 2017 through the conclusion of the study in December 2018. Construction activities to repair the swimming pool at Balmorhea State Park resulted in improper sealing of the diversion gates which greatly reduced the measured discharge so the dataset used for analysis was limited to May 13, 2017, through September 28, 2018 (Figure 41). The mean and median daily average discharge for San Solomon Springs for this period was 26.5 cfs and 26.1 cfs, respectively, with a reported daily average discharge minimum of 20.5 cfs and maximum of 32.7 cfs.

The diversion of water for pool maintenance and irrigation effected the measured discharge of San Solomon Springs (Figure 41). Diversions for irrigation resulted in periodic 4-5 cfs declines in discharge that generally lasted 1-4 days and primarily occurred between April and October (Figure 41). According to Reeves County Water Improvement District #1 staff, the District's maximum diversion rate is 4.6 cfs due to infrastructure limitations. The lowering of the pool level for repairs or maintenance can result in declines in recorded discharge as flow is diverted away from the USGS gaging station into a bypass conduit and subsequently discharged into the head of an earthen drainage canal on the northeast end of the park.

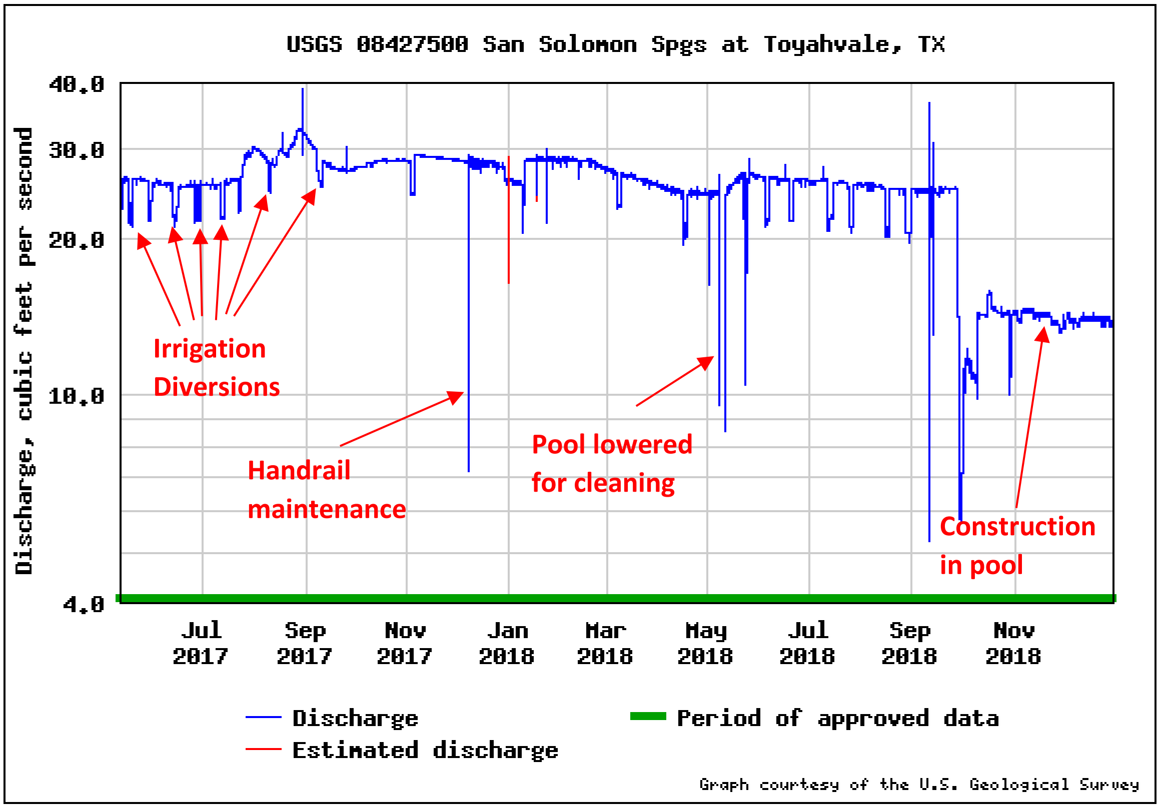

Figure 41. San Solomon Springs discharge data as reported by the USGS with activities that affect reported discharge noted.

The impact of diversions on the discharge reported by the USGS is dependent on the timing and duration of the diversions, but the impact is more apparent in the full data record of measurements taken at 15-minute intervals as compared to daily average discharge data. For example, the daily average discharge reported for San Solomon Springs on December 8, 2017, was 27.7 cfs compared to 28.3 cfs for both the day preceding and following. While this is not a large difference in daily average discharge, a closer look at the 15-minute interval data and State Park maintenance records shows discharge dropped to as low as 7.2 cfs over a 3–4-hour period on December 8, 2017, while handrail maintenance was performed, thus reducing the reported daily average discharge by 0.6 cfs. Similar effects on reported daily average discharge are seen as a result of diversions for irrigation. Daily average discharge for the period July 1 to July 11, 2017, was 25.4 cfs. Irrigation diversions began on the morning of July 12 and ceased midday July 14, 2017. As a result, daily average discharge dropped to 23.1 cfs on July 12, 2017, 21.9 cfs on July 13, 2017, and 24 cfs on July 14, 2017, before returning to 25.5 cfs on July 15, 2017.

Water Quality

Physicochemical Parameters

Field parameters were measured at each site where either water quality samples, or benthic macroinvertebrates were collected. A total of 710 measurements were made that include water temperature, pH, specific conductance, and dissolved oxygen. Field parameter measurements were taken at East Sandia Springs, West Sandia Springs, Phantom Lake Springs, and from the pool, canal, and ciénegas associated with San Solomon Springs in Balmorhea State Park. A list of summary statistics for the field parameters from the individual spring systems is available in Table 16. The field parameter measurements were all within ranges that support aquatic life.

Results from PRIMER 7 showed that East and West Sandia springs were significantly different than San Solomon and Phantom Lake springs. The ANOSIM (Analysis of Similarity) results (Table 17) showed R values for a global test ($R = 0.49$, $p < 0.01$) and for pairwise tests between systems which is displayed pictorially in the n-MDS plot (Figure 42). The Principal Component Analysis identifies water temperature and specific conductivity as the two field parameters with the greatest differences between the springs. East and West Sandia springs are typically colder and have higher specific conductivity than San Solomon and Phantom Lake springs (Figure 43).

Table 16. Field parameter (water temperature, pH, specific conductance, and dissolved oxygen) mean (with standard deviation), median, minimum, and maximum from East Sandia, West Sandia, San Solomon, and Phantom Lake springs. Collected between January 2017 and December 2018.

Location	Parameter	Mean	Median	Min	Max
East Sandia Springs (n = 109)	*Temp (°C)*	20.3 (±1.5)	20.4	16.9	23.7
	pH	7.1 (±0.17)	7.1	6.8	7.7
	SpCond (µmhos)	4218 (±131)	4218	3727	4998
	D.O. (mg/L)	6.4 (±1.2)	6.6	2.9	9.6
West Sandia Springs (n = 71)	*Temp (°C)*	20.5 (±0.6)	20.5	18.7	21.7
	pH	7.2 (±0.18)	7.3	6.8	7.7
	SpCond (µmhos)	4004 (±155)	4014	3594	4305
	D.O. (mg/L)	5.3 (±1.4)	5.7	2.3	7.7
San Solomon Springs (n = 477)	*Temp (°C)*	24.4 (±2.1)	24.8	17.1	30.9
	pH	7.3 (±0.23)	7.3	6.8	8.0
	SpCond (µmhos)	3318 (±144)	3360	2479	3651
	D.O. (mg/L)	6.3 (±2.2)	5.9	1.6	16.0
Phantom Lake Springs (n = 53)	*Temp (°C)*	24.4 (±1.6)	24.8	17.1	30.9
	pH	7.3 (±0.24)	7.3	6.8	8.0
	SpCond (µmhos)	3318 (±106)	3360	2479	3651
	D.O. (mg/L)	6.3 (±2.2)	5.9	1.6	16.0

Table 17. ANOSIM results from PRIMER 7 for field parameters from East Sandia Springs (ESS), West Sandia Springs (WSS), San Solomon Springs (SSS), and Phantom Lake Springs (PCS).

Pairwise Test Groups	R-Statistic	Significance Level (p-value)
ESS and SSS	0.689	0.001
ESS and PLS	0.852	0.001
ESS and WSS	0.251	0.001
SSS and WSS	0.114	0.01
SSS and PLS	0.541	0.001
PLS and WSS	0.631	0.001

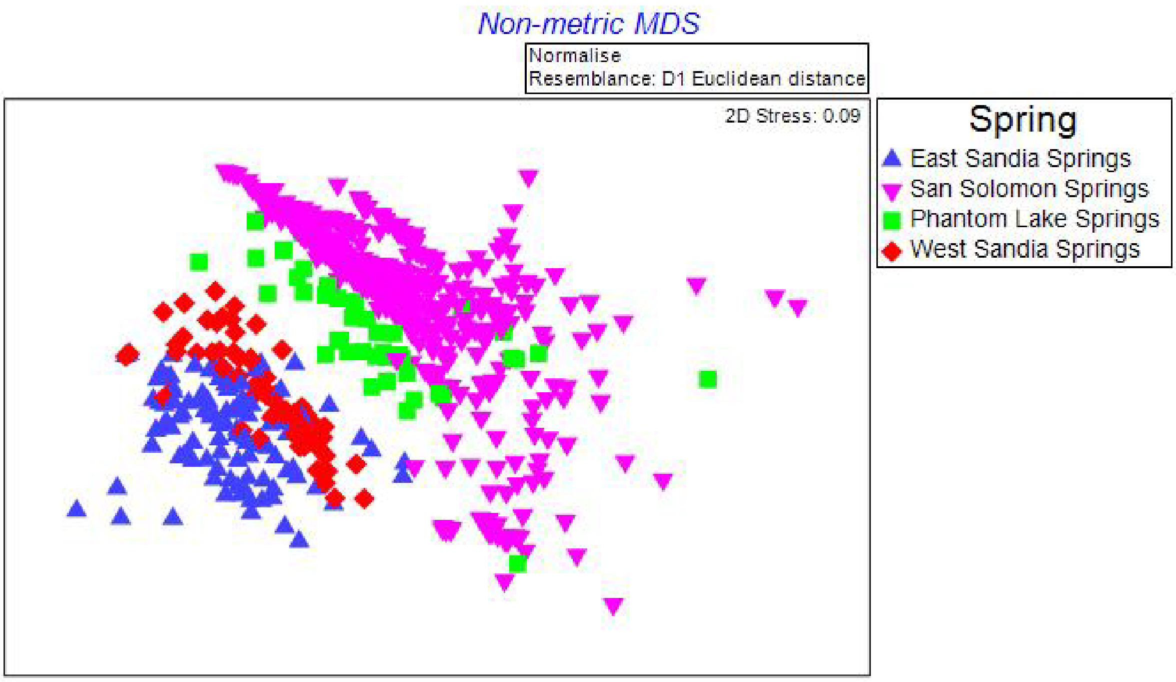

Figure 42. Non-Metric Multidimensional Scaling (n-MDS) plot of field parameter data grouped by spring system.

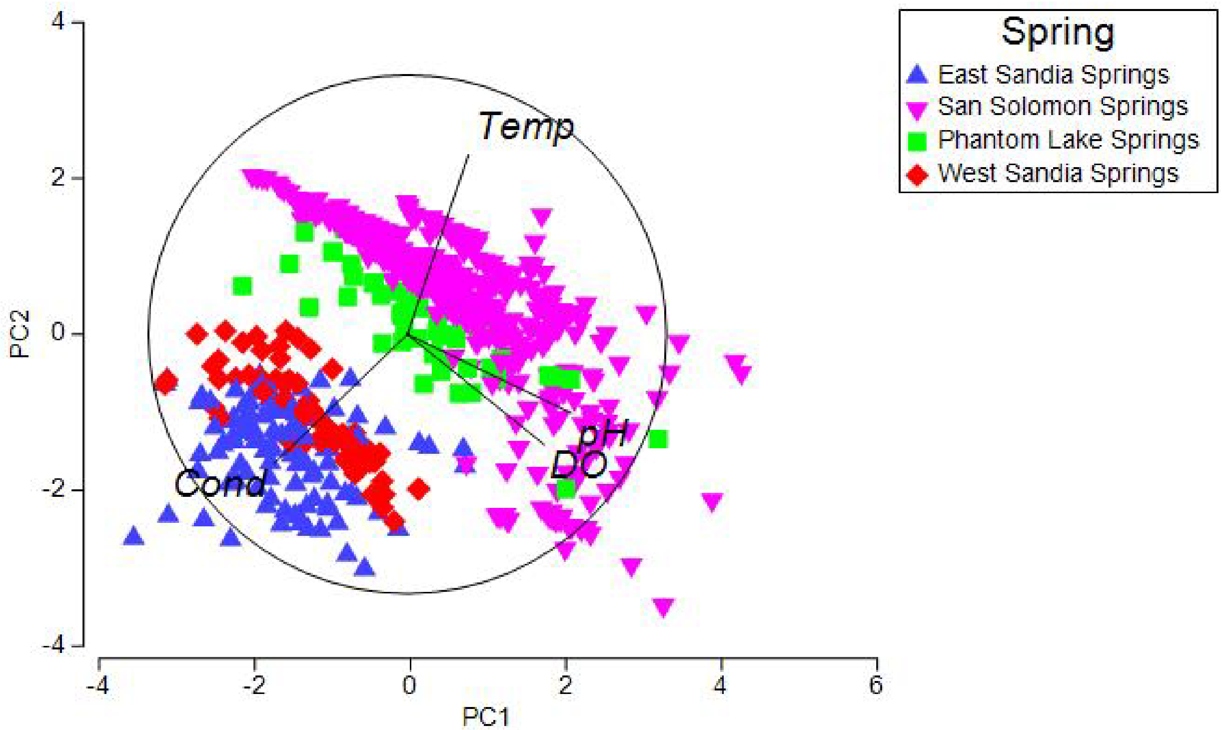

Figure 43. Principal component analysis (PCA) of field parameters grouped by spring system.

"TWDB Suite"

The "TWDB Suite" of parameters collected at each spring included dissolved anions, dissolved metals, alkalinity, dissolved phosphorus, silica, mercury, dissolved nitrate + nitrite, and the cation/anion balance (Appendix B).

Alkalinity

Four different types of alkalinity were measured from the springs and included phenolphthalein, hydroxide, bicarbonate, and carbonate alkalinity. Total alkalinity is calculated by the addition of these four types. Bicarbonate alkalinity was detected in each sample while phenolphthalein and hydroxide were undetected. Carbonate alkalinity was detected in one sample from San Solomon Springs in December 2017 at a concentration of 8 mg/L. Bicarbonate alkalinity was highest in East and West Sandia springs (Table 18).

Table 18. Bicarbonate alkalinity mean with standard deviation, minimum, and maximum values from four west Texas springs in Reeves and Jefferson Davis counties collected from January 2017 through December 2018.

Spring System	Mean (mg/L)	Minimum (mg/L)	Maximum (mg/L)
East Sandia Springs (n = 6)	279 (±5.6)	266	285
West Sandia Springs (n = 6)	271 (±7.3)	263	284
Phantom Lake Springs (n = 5)	226 (±6.4)	213	231
San Solomon Springs (n = 24)	227 (±6.3)	212	237

Anions

East and West Sandia springs had higher concentrations of anions than San Solomon and Phantom Lake springs Table (19). Sulfate and chloride were higher in East and West Sandia springs and bromide and fluoride were only slightly different. ANOSIM results for a global test of similarity of anion concentrations between the four springs were not greatly significant ($R = 0.48$, $p < 0.01$). However, the pairwise tests were significantly different when East and West Sandia springs were compared to San Solomon and Phantom Lake springs (Table 20).

Table 19. Anion mean values with standard deviation for East Sandia, West Sandia, Phantom Lake, and San Solomon springs in Reeves and Jefferson Davis Counties. Data was collected from January 2017 through December 2018.

Anion	**East Sandia *(n=6)***	**West Sandia *(n=6)***	**Phantom Lake *(n=5)***	**San Solomon *(n=24)***
Bromide (mg/L)	0.57 (±0.17)	0.55 (±0.15)	0.54 (±0.07)	0.55 (±0.39)
Chloride (mg/L)	808 (±37.5)	781 (±53)	659 (±29.4)	641 (±190)
Fluoride (mg/L)	2.03 (±0.31)	2.12 (±0.28)	1.76 (±0.26)	2.4 (±1.9)
Sulfate (mg/L)	858 (±25.2)	851 (±36.6)	689 (±36.2)	670 (±2.01)

Table 20. ANOSIM results from PRIMER 7 for anions from East Sandia Springs (ESS), West Sandia Springs (WSS), San Solomon Springs (SSS), and Phantom Lake Springs (PCS).

Pairwise Test Groups	**R-Statistic**	**Significance Level (p-value)**
ESS and WSS	0.16	0.099
ESS and PLS	0.71	0.002
ESS and SSS	0.87	0.002
WSS and PLS	0.64	0.002
WSS and SSS	0.81	0.002
PLS and SSS	0.25	0.024

Dissolved Metals

East Sandia and West Sandia springs had higher concentrations of most dissolved metals than San Solomon and Phantom Lake springs (Tables 21 and 22). Dissolved antimony, beryllium, cadmium, cobalt, lead, mercury, and silver were not detected in any of the spring samples. Dissolved aluminum was detected in only four of the thirty samples and was not detected in Phantom Lake Springs. Dissolved arsenic, boron, and lithium concentrations were only slightly higher in East and West Sandia springs than Phantom Lake and San Solomon springs. Dissolved iron and selenium were only detected in West Sandia springs. Dissolved thallium concentrations were highest in West Sandia Springs and were not detected from East Sandia Springs. Zinc concentrations were higher in San Solomon and Phantom Lake springs, copper and chromium concentrations were both highest in San Solomon Springs. ANOSIM global test results which compared dissolved metals concentrations (excluding the metals that were not detected) from the four springs showed that there were significant differences ($R =0.73$, $p < 0.001$) between springs. Pairwise ANOSIM results, which test for differences between individual springs, showed significant differences between East and West Sandia springs and Phantom Lake and San Solomon springs (Table 23). These differences can be seen graphically in the nMDS and PCA plots

(Figures 44 and 45). Average sodium/chloride ratios were 0.69, 0.67, 0.68, and 0.64 for East Sandia, West Sandia, Phantom Lake, and San Solomon springs, respectively. Average sulfate/chloride ratios were 1.06, 1.06, 1.04, and 1.09 for East Sandia, West Sandia, Phantom Lake, and San Solomon springs.

Table 21. Mean and standard deviation values for dissolved metals collected from East Sandia, West Sandia, Phantom Lake, and San Solomon springs in Reeves and Jefferson Davis counties. Data was collected between January 2017 and December 2018. Dissolved metals that were detected too few times to calculate a mean are reported as N/A and dissolved metals that were not detected are reported as ND.

Dissolved Metal	**East Sandia** ***(n = 6)***	**West Sandia** ***(n = 6)***	**Phantom Lake** ***(n = 5)***	**San Solomon** ***(n = 13)***
Aluminum (µg/L)	N/A	N/A	ND	N/A
Antimony (µg/L)	ND	ND	ND	ND
Arsenic (µg/L)	1.85(±0.30)	1.51 (±0.86)	1.37 (±0.36)	1.28 (±0.48)
Barium (µg/L)	15.0 (±0.55)	22.1 (±1.59)	18.5 (±0.57)	19.6 (±1.00)
Beryllium (µg/L)	ND	ND	ND	ND
Boron (µg/L)	402 (±34.5)	381 (±45.5)	326 (±38.9)	296 (±66.6)
Cadmium (µg/L)	ND	ND	ND	ND
Calcium (mg/L)	243 (±8.57)	238 (±10.8)	184 (±3.71)	174 (±4.81)
Chromium (µg/L)	1.15 (±0.61)	0.87 (±0.42)	N/A	1.66 (±1.23)
Cobalt (µg/L)	ND	ND	ND	ND
Copper (µg/L)	1.26 (±0.76)	1.77 (±0.76)	N/A	2.5 (±1.97)
Iron (µg/L)	ND	58.1 (±50)	ND	ND
Lead (µg/L)	ND	ND	ND	ND
Lithium (µg/L)	162 (±13.7)	164 (±11.2)	148 (±10.6)	131 (±14.1)
Magnesium (mg/L)	84.5 (±3.5)	87.2 (±5.1)	81.3 (±2.4)	72.4 (±2.9)
Manganese (µg/L)	3.8 (±1.02)	14.6 (±15.3)	N/A	ND
Mercury (µg/L)	ND	ND	ND	ND
Molybdenum (µg/L)	11.1 (±0.95)	15 (±1.1)	11.2 (±0.6)	10 (±0.78)
Potassium (mg/L)	24.2 (1.18)	25.1 (±1.28)	21.3 (±0.6)	18.9 (±0.78)
Selenium (µg/L)	ND	N/A	ND	ND
Silver (µg/L)	ND	ND	ND	ND
Sodium (mg/L)	559 (±12.1)	523 (±25.5)	450 (±22.3)	399 (±10.4)
Strontium (µg/L)	4,163 (±245)	4,105 (±264)	3,464 (±86.5)	3,126 (±175)
Thallium (µg/L)	ND	1.98 (±0.77)	0.94 (±0.25)	N/A
Uranium (µg/L)	10.98 (±1.38)	19.92 (±1.85)	6.01 (±0.53)	5.64 (±0.45)
Vanadium (µg/L)	6.2 (±0.23)	4.7 (±0.26)	2.02 (±0.29)	2.3 (±0.35)
Zinc (µg/L)	N/A	ND	7.81 (±1.4)	7.04 (±0.99)

Table 22. Dissolved metal concentrations from East Sandia, West Sandia, Phantom Lake, and San Solomon springs relative to each other where the plus sign (+) denotes higher concentrations and the minus sign (-) denotes lower concentrations.

Dissolved Metal	East Sandia	West Sandia	Phantom Lake	San Solomon
Aluminum (µg/L)	-	+	-	-
Arsenic (µg/L)	+	+	-	-
Barium (µg/L)	-	+	+	+
Boron (µg/L)	+	+	-	-
Calcium (mg/L)	+	+	-	-
Chromium (µg/L)	+	-	-	+
Copper (µg/L)	-	+	-	+
Iron (µg/L)	-	+	-	-
Lithium (µg/L)	+	+	-	-
Magnesium (mg/L)	+	+	-	-
Manganese (µg/L)	-	+	-	-
Molybdenum (µg/L)	-	+	-	-
Potassium (mg/L)	+	+	-	-
Selenium (µg/L)	-	+	-	-
Sodium (mg/L)	+	+	-	-
Strontium (µg/L)	+	+	-	-
Thallium (µg/L)	-	+	+	-
Uranium (µg/L)	+	+	-	-
Vanadium (µg/L)	+	+	-	-
Zinc (µg/L)	-	-	+	+

Table 23. ANOSIM results from PRIMER 7 for pairwise test of dissolved metals from East Sandia Springs (ESS), West Sandia Springs (WSS), San Solomon Springs (SSS), and Phantom Lake Springs (PCS).

Pairwise Test Groups	R-Statistic	Significance Level (p-value)
ESS and WSS	0.531	0.002
ESS and PLS	0.965	0.002
ESS and SSS	1	0.001
WSS and PLS	0.573	0.004
WSS and SSS	0.948	0.001
PLS and SSS	0.249	0.380

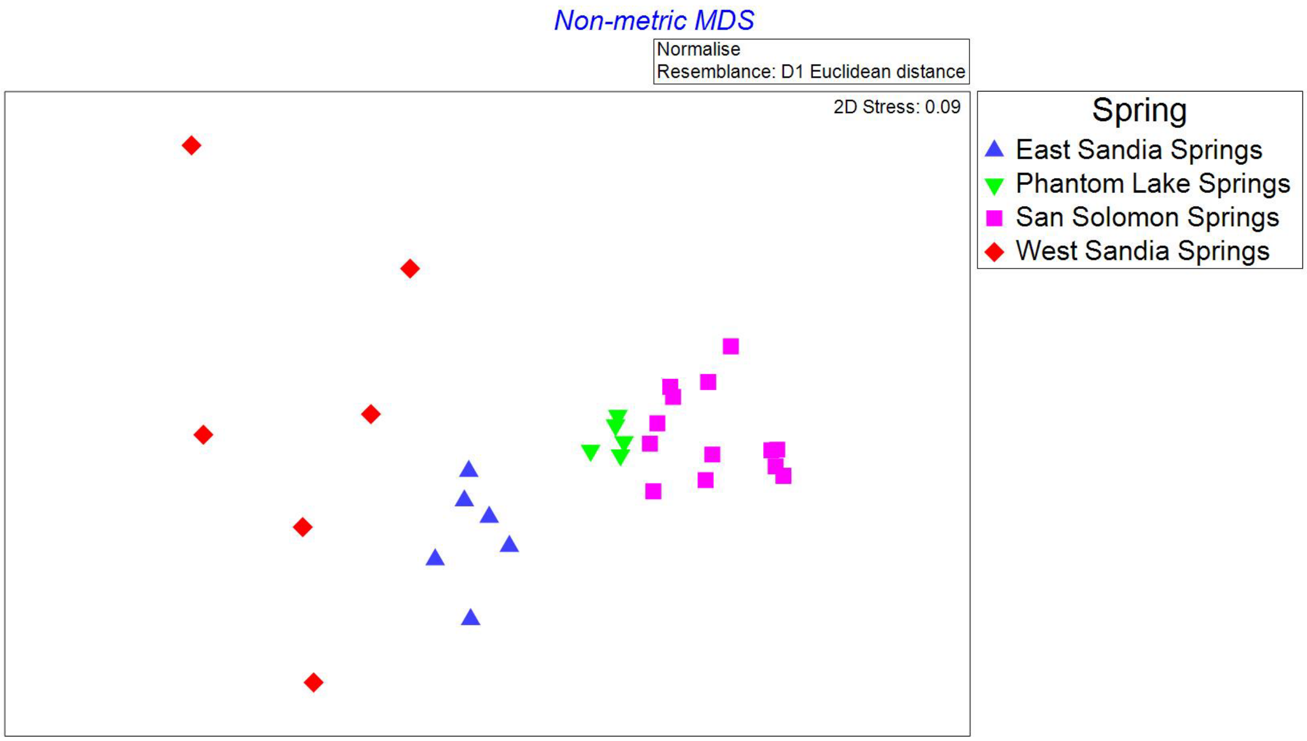

Figure 44. Non-metric Multidimensional Scaling plot of dissolved metals from East Sandia, West Sandia, Phantom Lake, and San Solomon springs in Reeves and Jefferson Davis counties. Data was collected quarterly between January 2017 and December 2018.

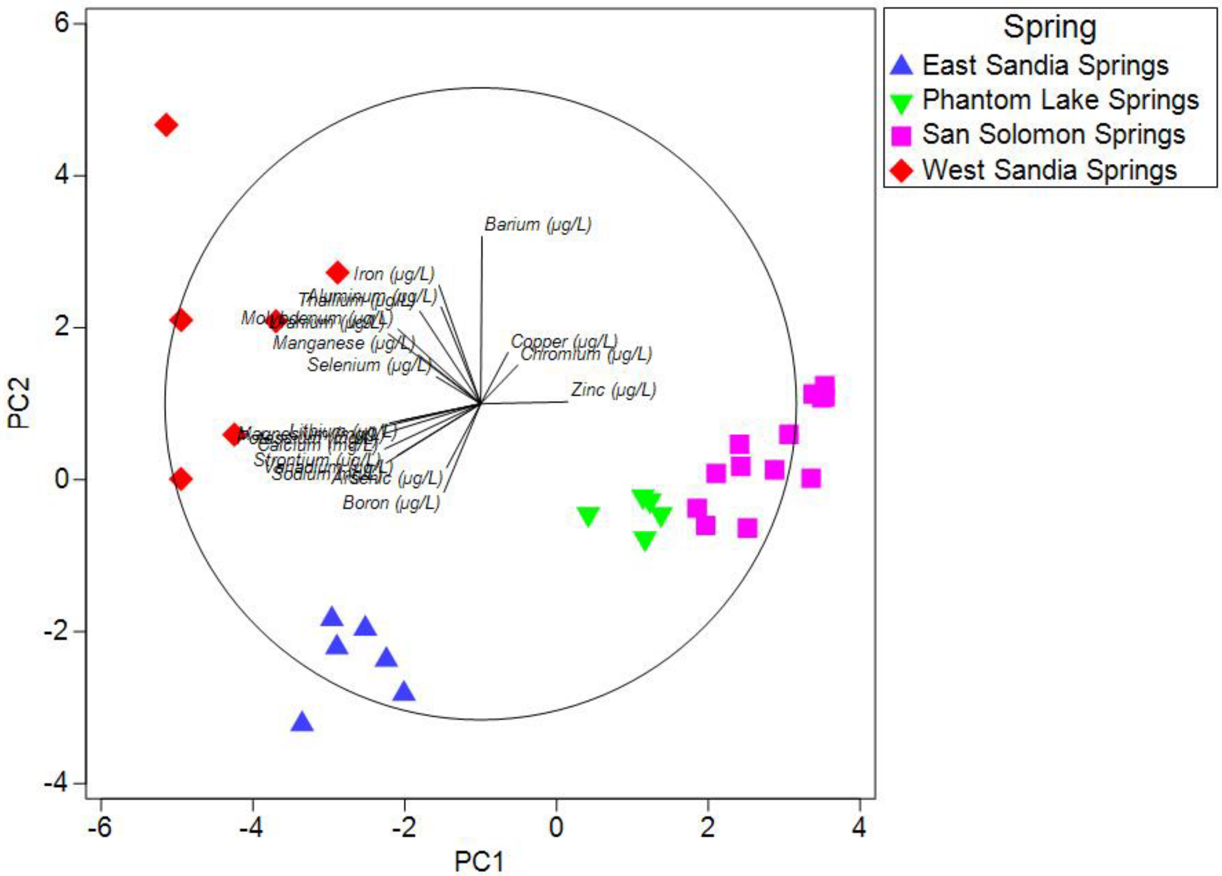

Figure 45. Principal component analysis (PCA) plot of dissolved metals from East Sandia Spring (ESS), West Sandia Spring (WSS), Phantom Lake Spring (PLS), and San Solomon Spring (SSS) in Reeves and Jefferson Davis counties. Data was collected quarterly between January 2017 and December 2018.

Piper Diagram

A Piper diagram was created to characterize the ionic composition of the springs. The Piper diagram shows relative percentages of cations (calcium, magnesium, sodium, and potassium) and anions (chloride, fluoride, sulfate, bicarbonate, and carbonate) and uses these relative percentages to graph the results on a diamond graph to characterize the water (Figure 46 and Figure 47). The water from all four springs was graphed and falls into the “mixed/sodium chloride” type.

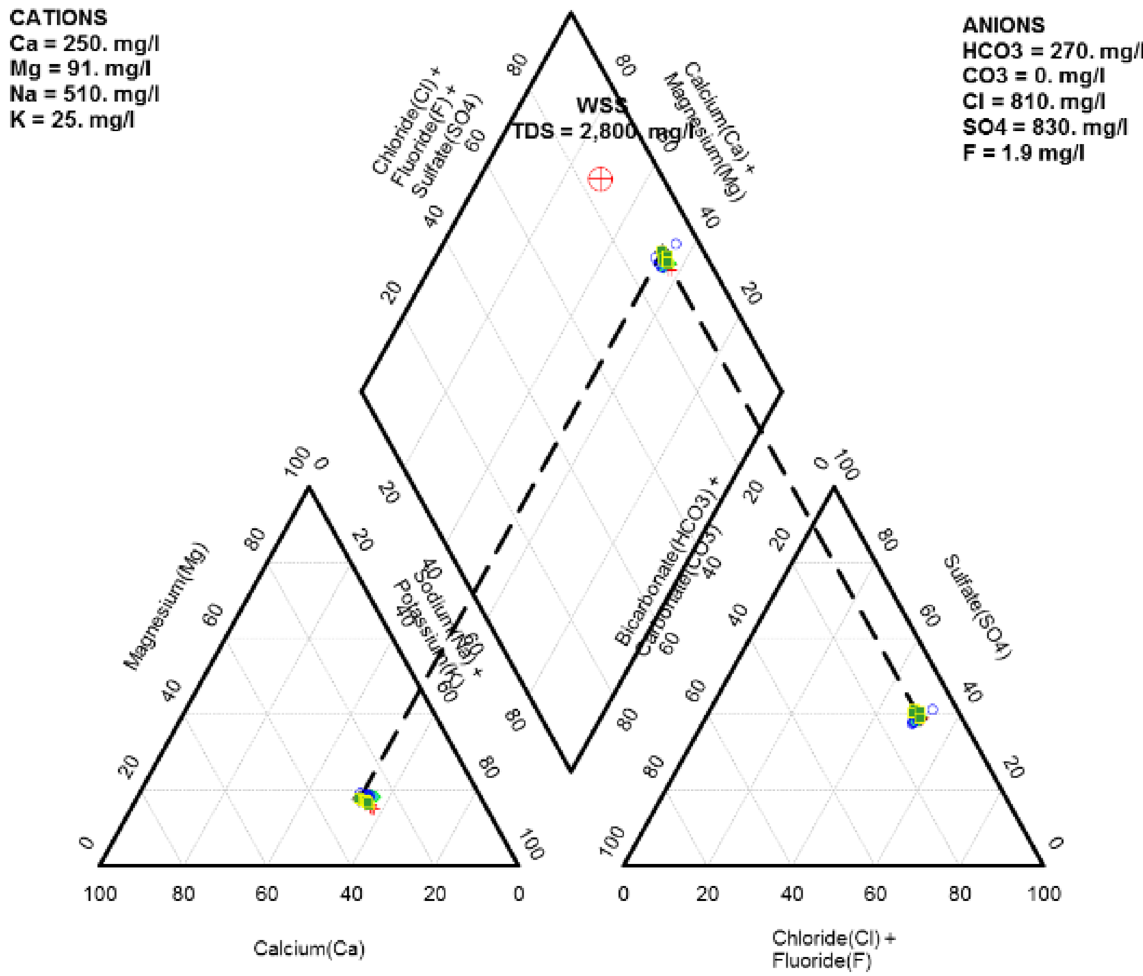

Figure 46. Piper diagram of the relative percentages of cations and anions in milli-equivalents/liter from East Sandia, West Sandia, Phantom Lake, and San Solomon springs.

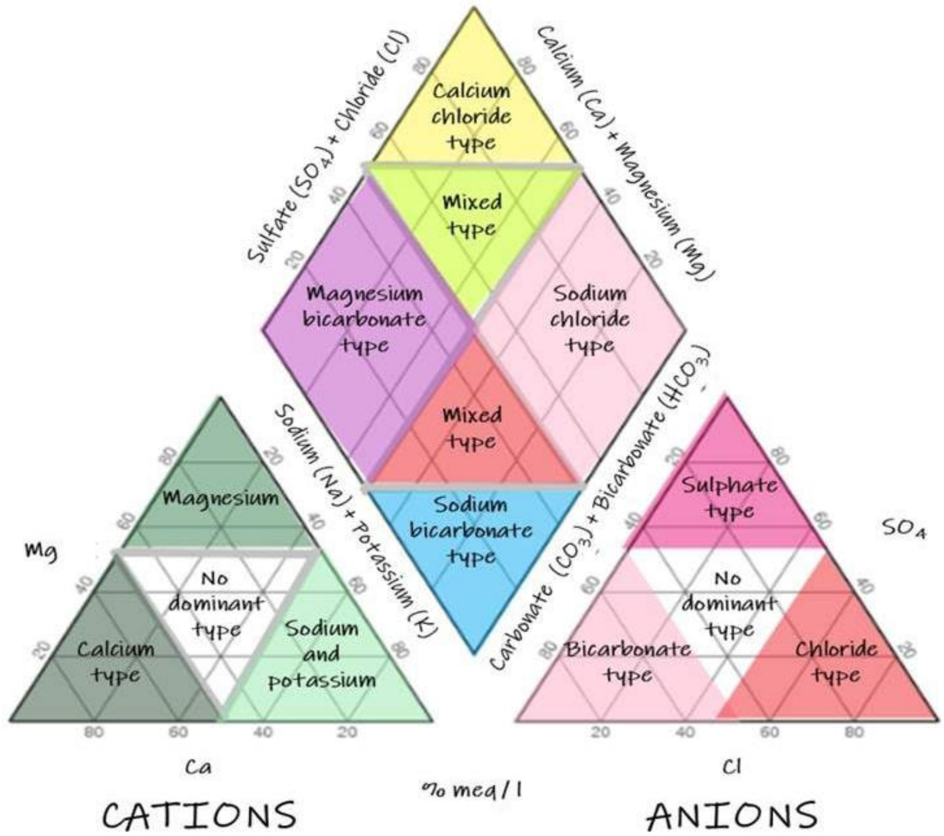

Figure 47. Piper diagram key for water type (Source: https://www.hatarilabs.com/ih-en/what-is-a-piper-diagram-and-how-to-create-one).

San Solomon Springs

In addition to the "TWDB Suite" constituents measured at all spring sites, a wider set of parameters was sampled from San Solomon Springs at Balmorhea State Park to establish baseline water quality conditions. These additional parameters included routine water chemistry, total metals, volatile and semi-volatile organic compounds, total petroleum hydrocarbon, isotopes, and dissolved gases. The routine water chemistry parameters included hardness, ammonia nitrogen, total Kjeldahl nitrogen, total dissolved solids, total suspended solids, volatile suspended solids, and total organic carbon. Average values for routine water chemistry constituents are reported in Table 20. The LCRA-ELS reported a number of samples for ammonia nitrogen (10), total Kjeldahl nitrogen (4), total suspended solids (12), volatile suspended solids (14), and total organic carbon (14) were below detection limits. Twenty-seven total metals were analyzed for San Solomon Springs. Results for antimony, beryllium, cadmium, chromium, cobalt, iron, lead, manganese, selenium, and silver were all below the LCRA-ELS detection limits. Nine of the 15 results for thallium were less than detection limit and 13 of the 15 results for vanadium were below the lab's detection limit. Averages for the remaining 15 total metals are presented in Table 21. During the course of the study most of the results from the total metals remained fairly constant with the exception of the sample from March 2018 where higher concentrations for 16 of the 26 total metals were seen (Figure 48). One-hundred forty three volatile and semi-volatile organic compounds were analyzed by LCRA-ELS and all with the exception of two Bis(2-Ethylhexyl)phthalate results were reported as below the detection limit (Appendix B). The two higher than detection limit Bis(2-Ethylhexyl)phthalate results were 9.01 µg/L and 7.19 µg/L for samples collected on January 27, 2017, and June 29, 2017, respectively. Bis(2-Ethylhexyl)phthalate is a compound that is used in the process of plasticization and is fairly ubiquitous in the environment (Griffiths et al. 1985). All total petroleum hydrocarbon results came back from LCRA-ELS as below detection limits as well. Dissolved gases (methane, ethane, ethylene) were collected from San Solomon Springs on March 29, 2017, and all samples measured below the laboratory's detection limits. The laboratory method detection limits for the above-mentioned gases were 0.003 mg/L, 0.0006 mg/L, and 0.001 mg/L, respectively.

Table 24. Mean and standard deviation values for routine water chemistry parameters collected quarterly from San Solomon Springs in Reeves County, Texas from January 2017 through December 2018.

Parameter (n)	**Mean (mg/L)**
Hardness (15)	957 (±746)
Nitrate/Nitrite (24)	0.35 (±0.11)
Ammonia Nitrogen (15)	0.03 (±0.05)
Total Kjeldahl Nitrogen (14)	0.41 (±0.4)
Total Dissolved Solids (15)	2064 (±167)
Total Suspended Solids (14)	< 1.0 (NA)
Volatile Suspended Solids (14)	< 1.0 (NA)
Total Organic Carbon (15)	< 1.0 (NA)
Dissolved Phosphorus (24)	< 0.02 (NA)

Table 25. Mean values for total metals collected from San Solomon Springs in Reeves County, Texas from January 2017 through December 2018. Metals that were not detected (below laboratory detection limits) are denoted with "ND" and metals that were not detected with enough frequency to calculate a mean are denoted with "NA".

Parameter (n)	**Mean**
Aluminum µg/L (15)	10.5 (± 15.6)
Antimony µg/L (15)	ND (NA)
Arsenic µg/L (15)	1.4 (±1.2)
Barium µg/L (15)	25.6 (± 19.6)
Beryllium µg/L (15)	ND (NA)
Boron µg/L (14)	564 (± 423)
Cadmium µg/L (15)	ND (NA)
Calcium mg/L (15)	228 (± 177)
Chromium µg/L (15)	ND (NA)
Cobalt µg/L (15)	ND (NA)
Copper µg/L (15)	NA (NA)
Iron µg/L (15)	ND (NA)
Lead µg/L (15)	ND (NA)
Lithium µg/L (15)	167 (± 154)
Magnesium mg/L (15)	94 (± 74)
Manganese µg/L (15)	ND (NA)
Molybdenum µg/L 15)	12 (± 11)
Nickel µg/L (15)	2.6 (± 3)
Potassium mg/L (15)	26 (± 20)
Selenium µg/L (15)	ND (NA)
Silver µg/L (15)	ND (NA)
Sodium mg/L (15)	536 (± 453)
Strontium µg/L (15)	4087 (± 3190)
Thallium µg/L (15)	NA (NA)
Uranium µg/L (15)	7.1 (± 6.1)
Vanadium µg/L (15)	NA (NA)
Zinc µg/L (15)	10.2 (±11.2)

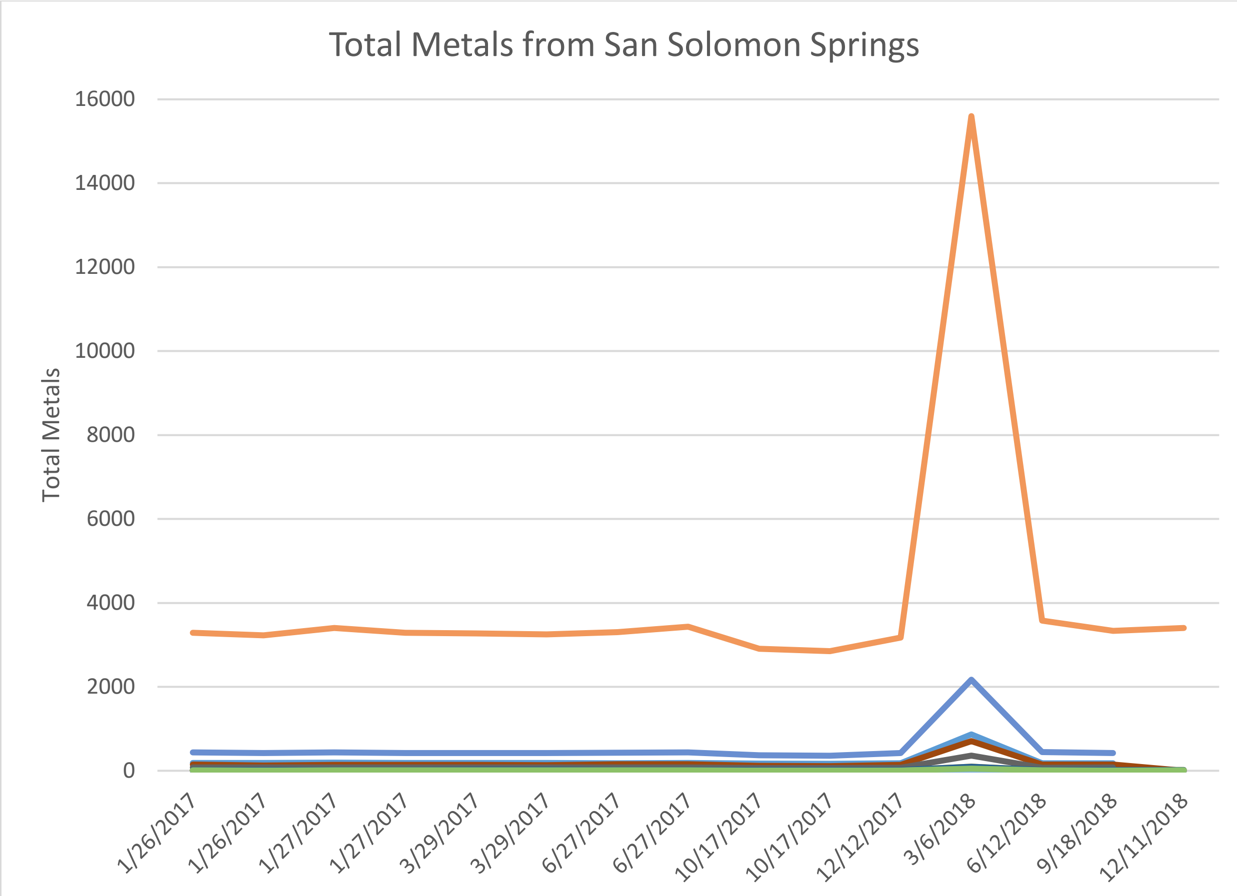

Figure 48. Total metals from San Solomon Springs illustrating the occurrence of an anomaly on March 6, 2018.

Stable Isotopes

Oxygen, strontium, and deuterium isotopes were collected from San Solomon Springs on January 26, 2017, and January 27, 2017 (Table 22). Deuterium isotopes for both samples were reported as -60 ‰ VSMOW (Vienna Standard Mean Ocean Water) and -60.1‰ VSMOW and Oxygen-18 isotopes were reported as -8.63‰ VSMOW and -8.61‰ VSMOW. The strontium isotopes were reported as a ratio of Strontium 87 to Strontium 86 and the values for each day was 0.70955 $^{87}SR/^{86}SR$ and 0.709943$^{87}SR/^{86}SR$, respectively. Tritium isotopes were reported in Tritium Units (TU) using a half-life of 12.32 years with values of 0.23 TU and 0.22 TU.

Table 26. Deuterium, Oxygen-18, Tritium, and Strontium isotopes collected from San Solomon Springs in Reeves County, Texas on January 26 and January 27, 2017.

Isotope	**January 26, 2017**	**January 27, 2017**
Deuterium	-60.0 ‰ VSMOW	-60.1 ‰ VSMOW
Oxygen – 18	-8.63 ‰ VSMOW	-8.61 ‰ VSMOW
Tritium	0.23 TU	0.22 TU
Strontium	0.70955 ($^{87}SR/^{86}SR$)	0.709943($^{87}SR/^{86}SR$)

Continuous Water Quality Monitoring

The TCEQ installed a real-time continuous water quality monitoring (CWQM) station on the San Solomon Springs outflow channel on May 10, 2017. The CWQM station measures temperature, specific conductivity, and depth every 15 minutes and transmits the data to the TCEQ via wireless internet. The data was compiled and daily averages for temperature, specific conductivity, and pH (which was added on August 8, 2018) are shown in Figure 49.

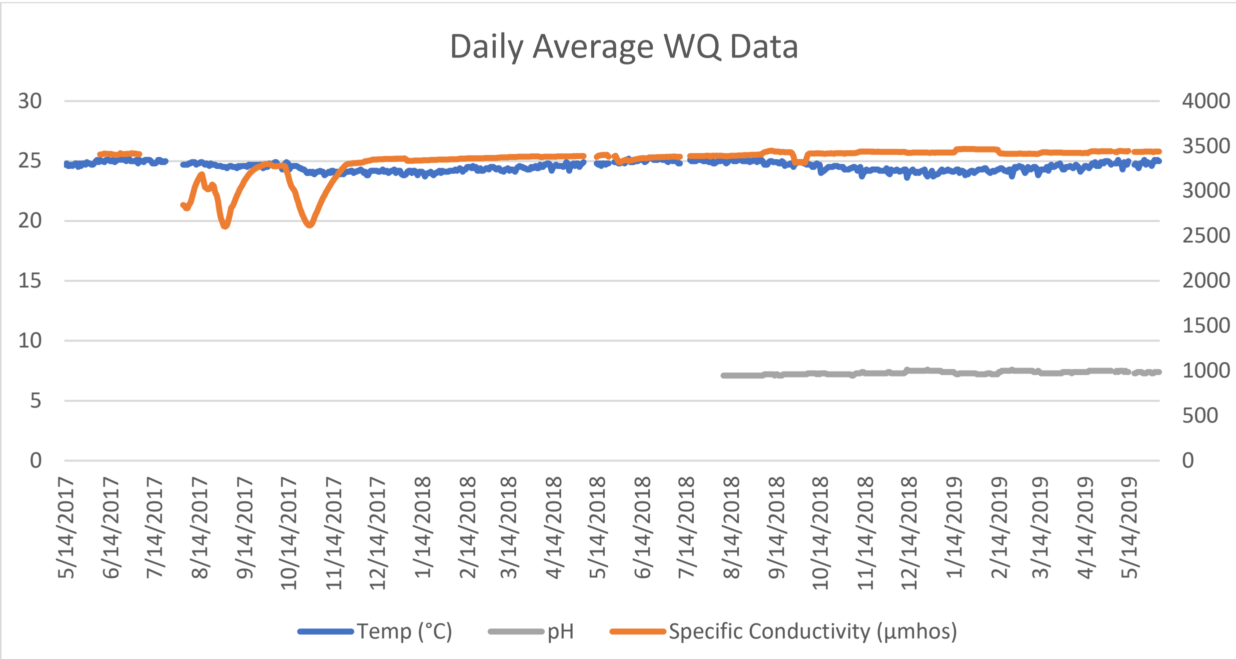

Figure 49. Continuous water quality monitoring data from San Solomon Springs measured in the outflow canal. Temperature (°C) and pH (s.u.) are on the left vertical axis and specific conductivity (µmhos/cm) is on the left axis. Water quality data was downloaded from the TCEQ (https://www.tceq.texas.gov/cgi-bin/compliance/monops/water_site_photo.pl?cams=808) on June 5, 2019.

Based on the parameters measured through the CWQM station, the water quality in San Solomon Springs remains fairly constant (Table 23). Water quality data, downloaded from the TCEQ on June 5, 2019 shows that temperature ranged from 23.6 °C to 25.3 °C with an average of 24.5 °C; specific conductivity ranged from 2,603 µmhos to 3,468 µmhos with an average of 3,336 µmhos; and pH ranged from 7.1 to 7.6 with an average of 7.3. There are several breaks in the temperature, specific conductivity, and pH data from May 2017 through June 2019 according to the TCEQ established quality management plan (TCEQ 2018). Any data that falls outside of the quality assurance measures is flagged in the database as questionable. When the continuous water quality multiprobe was first deployed issues arose when amphipods in the canal fouled the specific conductivity probe which skewed the data being recorded resulting in the specific conductivity data being categorized as invalid. The amphipods were subsequently isolated from the probes by attaching very fine mesh nylon cloth to the probe guard. Other breaks in the data include periods when data was lost due to a lack of connection with the data logger.

Table 27. Continuous water quality monitoring data from May 14, 2017, through June 4, 2019. Number of data points in parenthesis.

Parameter (n)	Mean	Range
Temperature °C (n = 719)	24.5	23.6 – 25.3
Specific Conductivity µmhos/cm (n = 677)	3,336	2,603 – 3,468
pH s.u.(n = 295)	7.3	7.1 – 7.6

Discussion

Fish

Balmorhea State Park provides important habitat for the persistence of Comanche Springs Pupfish (federally listed), Pecos Gambusia (federally listed), and Headwater Catfish (state listed). Roundnose Minnow historically occurred at Balmorhea State Park but have not been collected in recent years and may be extirpated from the system. The presence of a non-native armored catfish (which was removed by TPWD and USFWS staff) and recent detection of F1 hybrids of Headwater Catfish and Channel Catfish at Balmorhea State Park is concerning as fish are either being introduced by park visitors or migrating through the irrigation canal system into the park. It is recommended that future monitoring include visual surveys for invasive species and extensive genetic monitoring of Headwater Catfish and Comanche Springs Pupfish to detect any further introgression from Channel Catfish or new hybridization from Sheepshead Minnow, respectively. Because Balmorhea State Park is visited by many thousands yearly, we also recommend signage prohibiting release of organisms into park waters and explaining dangers to the unique and sensitive system from exotic species introduction. Additionally, during the draftng of this report, Balmorhea State Park staff began noticing Longear Sunfish (*Lepomis megalotis*) which may have been introduced by park visitors or through some other means.

While Headwater Catfish were not easily collected with minnow traps or seines, individuals were observed at all habitats at Balmorhea State Park and the population appears to be robust. Individuals at Balmorhea State Park were observed to be more melanistic than other populations. Some individuals were observed to be emaciated and several individuals exhibited a prolapsed intestine while being handled and measured. We could not determine in the field the cause of the prolapse. Thus, future work should include a study of Headwater Catfish health to determine if the emaciation and prolapse are a result of poor condition, parasites, or some other cause. The Headwater Catfish population at Balmorhea State Park is an important population to conserve because of its isolation from other populations and because it has a haplotype (mt-CYB Ha2) not found in any other population.

Comanche Springs Pupfish and Pecos Gambusia appear to be stable in the constructed San Solomon and Hubbs ciénegas. Population estimates from this study were statistically indistinguishable from those reported by Hargrave (2013). Seasonal trends in population estimates for Comanche Springs Pupfish and Pecos Gambusia were congruent with trends observed by Hargrave (2013); populations increased from spring to summer/fall and then decreased in the winter at Hubbs Ciénega, San Solomon Ciénega, and the canals. There can be natural variation within rare populations, but variance observed in minnow trap CPUE and densities is likely impacted by location of the sample within the habitat and association with habitat covariates (presence and type of vegetation). Minnow traps and visual surveys associated higher numbers of Comanche Springs Pupfish with the presence of *Chara* sp. Variation observed among seasons is also associated with the life history strategies of Comanche Springs Pupfish and Pecos Gambusia. Their mating seasons start in the late Spring and young of the year recruit into the population in early summer through fall. Recruitment into the population for Comanche Springs Pupfish and Pecos Gambusia was observed in the summer and fall sampling events. Population numbers in the late fall and winter can drop when older individuals experience natural mortality. Continued and expanded genetic monitoring should be a very high priority for future monitoring efforts. Information from genetic monitoring will inform questions about levels of hybridization in the population and population structure.

Benthic Macroinvertebrate Communities

In this study, site associations were the strongest predictor of individual species occurrences and densities, leading to significant differences in community composition among sites. In the partial RDA analyses, the five focal species (*Tryonia cheatumi*, *P. texana*, *G. hyalelloides*, *M. tuberculatus*, and *Tarebia granifera*) had significant relationships with site location when controlling for the influence of environmental factors, but only three of these focal species exhibited a relationship with the smaller scale mesohabitat conditions. Indeed, local habitat conditions (benthic substrate composition, macrophyte percent cover, and water chemistry) only accounted for 0.6% of the variation in community composition. Thus, the occurrence and densities of the focal species in the study area appear to be driven more by larger scale spatially-driven processes than by the distribution of smaller-scale mesohabitat types within and among sites.

The two endemic and endangered spring snail species exhibited strong relationships with site locations: *Tryonia cheatumi* was associated with the San Solomon Pool and Phantom Lake Springs, whereas *P. texana* was associated with only the Phantom Lake Springs site. However, the high variations in sample densities among species make inferences among associations with site and habitat difficult. This study attempted to provide habitat associations and density estimates as well as defining the distribution of these species in the different springs. From a regional population perspective, the San Solomon Pool and Phantom Lake Springs sites contain the largest site-specific locations of *T. cheatumi* and *P. texana* (i.e., the San Solomon Pool contains 90% of the regional population of *T. cheatumi* and Phantom Lake Springs contains 75% of the regional population of *P. texana*). The San Solomon Pool is the largest site in the region (5556 m^2) representing 37% of the total habitat surface area we sampled for this study, thus it is not surprising that it contains the largest populations of *T. cheatumi*. However, within the San Solomon Pool site, *T. cheatumi* was strongly associated with the presence of concrete substrates. Densities of *T. cheatumi* were relatively high on substrates >50% concrete within San Solomon Pool (mean density = 10,594 individuals/m^2). In contrast, the Phantom Lake Springs site is particularly critical for *P. texana* because it contains the largest regional population of this species, but only represents 0.7% of the total habitat surface area in the region (Phantom = 108 m^2; all sites = 14,855 m^2). In addition, *P. texana* did not show a significant association with any environmental factor when controlling for site. It is worth noting that during collections, *P. texana* was observed in abundance grazing on muskgrass (*Chara* sp.) and sedges (*Eleocharis* sp.). Additionally, sample containers with abundant muskgrass and sedges often had high counts of *P. texana*. The strong association of *P. texana* with Phantom Lake Springs suggests that this site serves as an *in situ* refugium for this species in the Toyah basin and likely serves as a critical location for its persistence in the wild.

The initial global RDA models indicated that *G. hyalelloides* was associated specifically with the East and West Sandia sites and this association was likely influenced by the fact that *G. hyalelloides* was the only focal species found in substantial numbers at those sites. The partial RDA examining the pure effects of site found that a majority of site locations (i.e., San Solomon Pool, West Sandia Springs, Phantom Lake

Springs, San Solomon Ciénega, and the San Solomon Canal) were significant predictors for the occurrence and abundance of all species. *G. hyalelloides* did not exhibit a strong association with any one particular location, rather it was associated with several sites (i.e., Phantom Lake Springs, West Sandia, and the San Solomon Canal). In addition, the regional population of *G. hyalelloides* was more equitably distributed among the 7 study sites when compared to the endemic snail species, with no single site containing >45% of the regional population. However, the partial RDA model examining the pure effects of local environmental conditions found that *G. hyalelloides* was strongly associated with cobble substrates.

Spring snails, such as *T. cheatumi* and *P. texana,* can passively disperse between sites via water currents, periodic flooding, and waterfowl, but smaller-bodied hydrobiid snails are unable to travel substantial distances across land (Bovbjerg 1952; Boag 1986; Figuerola and Green 2002; Kappes and Haase 2011). These taxa can actively disperse between hydrologically connected sites, but short-range aquatic dispersal for hydrobiids is thought to be limited to distances of ~300 m, with further distances requiring facilitation (Wilmer et al. 2008). Thus, it is likely that dispersal rates of the native hydrobiids among site locations are limited and low, unless there are incidental (waterfowl, human transport, or flooding) and active means for them to be dispersed via external processes. For example, *T. cheatumi* populations were found within the San Solomon Pool (on concrete substrates) and in the hydrologically connected San Solomon Canal within Balmorhea State Park. *Tryonia cheatumi* also occurred in substantial numbers at the Phantom Lake Springs site, but dispersal of *T. cheatumi* between Balmorhea State Park and Phantom Lake Springs can likely only occur through waterfowl-aided dispersal or via the surface water canal system between sites.

Spatial variation of the occurrence and density of *T. cheatumi* and *P. texana* across the Toyah basin can be attributed to numerous processes operating at a variety of spatio-temporal scales, including the sequence of community assembly (i.e., the order in which species arrive at a location via dispersal), the effects of interspecific interactions within a given location (e.g., competitive exclusion from a site), changes in environmental conditions at a site causing local extinction, rates and timing of speciation, and stochastic (random) processes affecting population persistence (Vellend 2010). The timing and sequence of species arrival into communities greatly affects final community composition even when the regional species pool is held constant (Robinson and Dickerson 1987; Drake 1991; Fukami and Morin 2003). The timing and sequence of immigration of the native spring snails in this study to individual sites is unclear, but it has been hypothesized that native snail populations in the region were more widely distributed in the past (>10,000 years ago) when climatic conditions were wetter and perennial lakes and streams were more abundant (USFWS 2013). However, as conditions in the region became progressively more arid, aquatic habitats became patchily distributed with geographic isolation among sites giving localized populations the opportunity for speciation (Gervasio et al. 2004; Brown et al. 2008; USFWS 2013). In contemporary times, both *T. cheatumi* and *P. texana* are distributed among multiple spring locations in the region, but details of the more recent history of dispersal and local extinction of these species in the region remains relatively unknown. Interspecific competition among hydrobiids has not been thoroughly studied, but heterogeneity in habitat structure may contribute to the ability of multiple hydrobiid species "wto co-occur at a given site (Hershler 1984; Taylor 1987; Brown et al. 2008) consistent with the idea that variation in local habitat conditions can facilitate persistence of species within a larger spatially defined metacommunity (Leibold et al. 2004). However, previous studies have also shown that habitat types at locales are not as important to species densities as site location (Bogan et al. 2014; Stanislawczyk et al. 2018).

In contrast to the patterns observed for *T. cheatumi* and *P. texana*, *G. hyalelloides* populations were more evenly distributed among sites and exhibited significant mesohabitat associations across study sites (i.e., cobble substrates). This general pattern may be due in part to differences in dispersal ability between amphipods and springsnails. Relative to springsnails, *Gammarus* can disperse more readily to upstream locations or under different flow conditions, allowing for two-way movement throughout a system (Dahl and Greenburg 1996). In addition, surface habitat-associated amphipods can disperse to new habitats via shallow groundwater pathways (Harris et al. 2002). Greater dispersal ability likely facilitates its more equal distribution across the region, allowing for the detection of regional-scale habitat associations. *Gammarus* species in surface water habitats are frequently associated with more structurally complex benthic substrates, including rocky cobbles and organic materials (Dahl and Greenburg, 1996); this is generally consistent with the findings of the current study. Indeed, *G. hyalelloides* habitat associations at the site-specific level indicated that it was positively associated with larger benthic substrates (i.e., sand and gravel) and negatively associated with silts. Substrates with larger interstitial spaces provide protection from predation and access to possible food sources (Rabeni and Minshall 1977).

This study found that two non-native and potentially invasive snail species were widely distributed across sites and exhibited high densities (>8,000 individual/m^2) at several locations. *Melanoides tuberculatus* and *Tarebia granifera* were found across all sites in this study with the noted exception of the East and West Sandia sites in the first year of sampling (2017). *Melanoides tuberculatus* and *T. granifera* exhibited their highest densities at the San Solomon Pool, the Hubbs Ciénega, the San Solomon Canals, and the San Solomon Ciénega. *Melanoides tuberculatus* also exhibited positive associations with *Chara* and silt substrates. Non-native thiarid snails can create significant problems for native fish and invertebrate communities. *Melanoides tuberculatus* is an intermediate host to several species of trematode which can negatively affect fish populations (Ladd and Rogowski 2012; McDermott et al. 2014). These non-native snails are generalist grazers (Pound et al. 2011; Nair et al. 2020) and can consume fish eggs and potentially the eggs of other snail species (Ladd and Rogowski 2012). Introduced thiarid snails may also compete with native species, leading to competition shifts in community trophic structure (Larson and Black 2015). Spring- and groundwater-dominated systems are particularly vulnerable to invasion by tropical thiarids because consistent physicochemical conditions protect these taxa from conditions which could lead to their extirpation (Karatayev et al. 2009). It is extremely critical to note that *M. tuberculatus* and *T. granifera* were not detected at the East and West Sandia sites for the first year of the study but were detected in low densities (<5 individuals/m^2) at both sites in the second year of the study. These results suggest that either (1) densities were so low in 2017 that our sampling efforts did not detect these species, or (2) these two species were introduced to the two sites sometime during the 2017 period. Given the intensity of our sampling efforts in East and West Sandia, it is unlikely that we did not detect these species if they were indeed present in 2017. The macroinvertebrate sampling team took substantial precautions when sampling East and West Sandia springs to avoid the incidental introduction of *M. tuberculatus* and *T. granifera*, including sampling the sites prior to all other sites, using site-dedicated equipment, and disinfecting/completely drying gear before sampling these sites. However, it remains unclear whether the recent increase in the intensity of sampling efforts (water quality, invertebrates, and fish) associated with establishing baseline data for Toyah basin spring sites or natural vectors (e.g., waterbirds) accounted for the introduction of these taxa into East and West Sandia springs during 2017

Water Quality

In general, the water quality collected from the springs was good and in ranges that are supportive of aquatic natural resources. The majority of pollutants (VOCs, total petroleum hydrocarbons) analyzed in samples from San Solomon Springs were below the LCRA-ELS detection limits. However, detection limits for VOCs might not have been low enough to detect traces of these compounds. A nationwide study of VOCs in groundwater found VOCs in many aquifers at concentrations less than 1 µg/L (Zogorski et al. 2006). BIs-2(Ethylhexyl)phthalate, a chemical used as a hardener in plastics, is fairly ubiquitous throughout the environment and was detected in 2 of the 15 samples. Additionally, the sample collected on March 6, 2018 showed values for total aluminum, arsenic, barium, boron, calcium, copper, lithium, magnesium, molybdenum, sodium, strontium, uranium, vanadium, and zinc were several times higher than for the other 14 total metals samples collected. Water hardness measured on March 6, 2018 was also 3-4 times higher than all other water hardness samples. It is unclear why these concentrations were higher on March 6, 2018 compared to the other samples collected. However, the Bis 2(Ethylhexyl)phthalate and elevated metals from the March 6, 2018 sampling event represents the only significant change in water quality detected through laboratory analysis over the two years of the study. If a routine water quality sampling schedule were implemented changes in water quality could be detected via laboratory analysis.

Dissolved metals, anions, alkalinity, and field parameters were used to compare the water quality of San Solomon, Phantom Lake, East Sandia, and West Sandia springs. Water quality at San Solomon and Phantom Lake springs was similar and differed from the water quality at East and West Sandia springs. East and West Sandia springs had higher concentrations of most dissolved metals (apart from zinc) and other constituents. East and West Sandia springs were colder and had higher specific conductance than San Solomon and Phantom Lake springs. Anions and cations measured in this study were similar to water quality results from Chowdhury et al. (2004) and TWDB (2005). Stable isotope results for oxygen, deuterium, and strontium were all similar to previous published results (Chowdhury et al 2004, TWDB 2005, and Uliana et al 2007).

The TCEQ continuous water quality monitoring (CWQM) station, which was installed on May 10, 2018, began measuring water temperature, specific conductivity, depth, and pH in August 2018. CWQM values for water temperature, specific conductivity, and pH have been fairly stable since the resolution of biofouling issues at the beginning of the deployment. Specific conductance is viewed as a vital parameter for continuous monitoring in the future for two reasons: 1) if wastewater high in TDS migrated into the groundwater flow system, it would likely manifest in spring systems as increased conductance and 2) the effects of rainfall events on springflows and the timing of impacts to water quantity and quality can inform hydrogeological studies.

Future Direction

Fish

Fish population and density estimates were calculated using methods described in Hargrave et al (2013). However, the methods are invasive and not particularly well-suited for use with sensitive species and habitats. The study showed mark-recapture and visual count methods can be used to produce statistically robust estimates that should be employed for future monitoring efforts in the San Solomon complex. Visual count surveys using 1 m x 1 m quadrats at the same locations could give efficient population estimates to track population stability over time and eliminate the need to handle the fish. However, visual count surveys and mark-recapture surveys are not suitable for Pecos Gambusia. Successful identification of Pecos Gambusia and Largespring Gambusia requires close inspection of individuals to differentiate the species due to their morphological similarity, which is further confounded by hybridization, and high densities. Camera trap data is still being assessed for use to monitor Comanche Springs Pupfish. The video footage produced a high-quality, permanent record where counts can be independently verified. Biologists are still working on processing the data and determining the best way to subsample the data and produce population estimates. Camera traps will not be a useful tool for monitoring Pecos Gambusia populations because of the identification issues mentioned above. We recommend using the visual count or camera trap method for future monitoring of Comanche Springs Pupfish and minnow traps to monitor Pecos Gambusia and invasive Largespring Gambusia populations. Efforts to remove Largespring Gambusia from the population should be considered since hybridization is impacting the integrity of the population of Pecos Gambusia and the species on average outnumbers Pecos Gambusia 7:1 at Balmorhea State Park. The most extreme ratios observed for Largespring Gambusia to Pecos Gambusia was 47:1 for one seine collection and 670:1 for one minnow trap collection.

Benthic Macroinvertebrate Communities

Persistence of the focal endangered species in the BAS is ultimately related to the presence of water (i.e., water quantity). However, water quality also likely plays a critical role in species persistence. Across the study sites, pH varied the least (7.10 - 7.61), while temperature (20.32 - 25.24°C), specific conductivity (3243 - 4263 µS/cm), and dissolved oxygen (4.35 - 8.72 mg/L) were slightly more variable (Table 1). To date, no studies have determined environmental tolerance ranges of the endangered species and, without environmental tolerance data, a proper risk assessment is impossible (Mace and Lande 1991; Raimondo et al. 2008). The U.S. Fish and Wildlife Service performed preliminary captive population studies of the three listed species at an external facility, the San Marcos Aquatic Resources Center (SMARC). SMARC staff initially had substantial difficulty keeping individuals of both *P. texana* and *T. cheatumi* alive, suggesting that these species are sensitive to changes in environmental conditions. More recently, SMARC staff had reproductive success with *T. cheatumi*, *P. texana*, and *G. hyalelloides* using wild and laboratory conditioned water. However, they have not successfully attempted to raise juveniles to adulthood, which would be required before any environmental tolerance study can be completed (R. Gibson, *personal communication*). Because groundwater pumping can reduce spring discharge in an entire region, regional water conservation and planning is of utmost importance to preserve the presence and quality of spring flow, which is required for the conservation of the endangered species in this region (Unmack and Minckley 2008; Fensham et al. 2011). With agricultural demands and oil and gas development increasing in the Trans-Pecos region, the risk of groundwater over-pumping and contamination is substantially higher.

Existing management activities of the study sites are important to consider for the conservation of the federally listed species in this region. Currently the surface flow at Phantom Lake Springs is sustained by a pump at the back of the cave and is maintained by the United States Bureau of Reclamation. Due to the strong site-specific association of the regional population of *P. texana* with Phantom Lake Springs, surface water habitat essentially functions as an *in situ* refugium for *P. texana*. It is critical to continue efforts to maintain flows and persistence of this population of *P. texana* at the Phantom Lake Springs site.

Management activities at Balmorhea State Park also have an influence on the persistence of the listed species given most of the study locations are within the state park boundaries. The water level of the San Solomon Pool is drawn down annually to pressure wash the concrete surface portion of the pool to remove algal growth for the safety of swimmers and visitors. Density and population estimates for *T. cheatumi* at San Solomon Pool are orders of magnitude greater than estimates for *T. cheatumi* at the other sites and the site-specific RDA indicated that *T. cheatumi* is strongly associated with the concrete portions of the pool. Quarterly sampling of *T. cheatumi* densities over the two-year study period in the concrete sections of San Solomon Pool show that snail densities were substantially lower one month following pressure washing (dropping from >10,000 individuals/m^2 to <2,000 individuals/m^2), with numbers progressively increasing in subsequent quarterly sampling events. Undoubtedly, there is annual mortality of *T. cheatumi* caused by pressure washing activities. However, a large population of *T. cheatumi* persists at the San Solomon Pool despite these activities. Given the importance of the San Solomon Pool to the regional population of *T. cheatumi*, long-term conservation of the species should be a consideration in any natural resource management decisions at Balmorhea State Park.

A genetic assessment needs to be performed between the regional populations of (what are assumed to be) the focal species found across multiple isolated sites. Gene flow between isolated populations of desert fishes in the region found little to no gene flow between isolated populations, indicating a loss of genetic variability and no recolonization after extinction events, resulting in local divergence (Meffe and Vrijenhoek 1988). *Gammarus hyalelloides* is part of the larger cryptic *G. pecos* species complex, thus it is important to determine the degree of gene flow between populations, especially with the novel population we identified at West Sandia Springs (Gervasio et al. 2004). Genetic analyses have been completed across the *G. pecos* group and gene flow between populations of *G. hyalelloides* have shown substantial genetic flow between the populations from Balmorhea State Park and East Sandia, but minimal gene flow between either of those populations and Phantom Lake Springs (Gervasio et al. 2004; Seidel et al. 2009). Most recently, Adams et al. (2018) analyzed spring endemic *Gammarus* amphipods primarily from the Pecos River drainage in Texas and New Mexico and determined that the populations at San Solomon, East Sandia, and Giffin springs may comprise an undescribed species resulting in *G. hyalelloides* being a single site endemic only occurring at Phantom Lake Springs. More thorough population genomic analysis on this group is recommended for species level determination. In addition, there is no known research characterizing the degree of gene flow between site populations of *T. cheatumi* and *P. texana*. We recommend genetic assessment of these two species across all sites in this study to determine level of gene flow between populations and to estimate population sizes to compare to the quantitative data in this study. Restricted gene flow between isolated populations can lead to high rates of inbreeding, geographically unique populations, and speciation (Colgan and Ponder 2000; Perez et al. 2005). Dispersal of the focal endangered snail species was explicitly examined by this study, but it is likely relatively poor and the odds for substantial gene flow between populations is low.

Water Quantity/Quality

Springflow protection for the BAS is vital if the springs are to continue to flow at rates which will support the aquatic life that currently depends on them. Protection measures for the springs need to be included in the desired future conditions of the aquifers in west Texas. Apart from Phantom Lake springs, which is in Jeff Davis County, the springs in this report are located in Reeves County and are under the purview of the Reeves County Groundwater Conservation District (GCD). However, the flowpath of these springs is influenced by the Capitan Reef, West Texas Bolson, Rustler, and Igneous aquifers (White et al. 1941; Sharp 1997; Sharp and Uliana 1998; TWDB 2005; Uliana 2000; Uliana and Sharp 2001; Chowdhury et al 2004; Uliana et al. 2007) that are managed by various GCDs and are a part of GMA 4. Coordination between these GCDs and two GMAs will be required to effectively protect springflows at San Solomon Springs.

Additionally, measures should be taken to continue monitoring water quantity and water quality through the USGS gaging station and the TCEQ continuous water quality monitoring station. Periodic monitoring of the spring's water quality is also recommended and should include at least annual sampling of the "TWDB Suite" from San Solomon, Phantom Lake, East and West Sandia springs. The larger suite of total and dissolved metals, volatiles and semi-volatiles, total petroleum hydrocarbons should be periodically sampled with the assurance of a lower laboratory detection limit.

Acknowledgements

Several individuals made significant contributions to this document and to the project as a whole. Megan Bean managed fish collection efforts, data management, and analysis, and authored the fish sections of this report. Marty Kelly managed water quality collection efforts, data management and analysis and authored the water quality sections of this report. Dijar Lutz-Carrillo analyzed and contributed the fish genetic assessment section of the report. Nina Noreika, under the guidance of Weston Nowlin, managed invertebrate collections efforts and data management, and both contributed significantly to the benthic macroinvertebrate portion of this report. Karim Aziz (a.k.a. The Man Who Draws Rivers) prepared maps necessary to determine sampling locations and expertly laid out random sampling locations as well as providing significant contributions to streamlining collection efforts and staying alive in West Texas.

The authors would also like to thank those who contributed by assisting with field collections or by supporting this project in general through agency commitments. Carter Smith, Brent Leisure, Robin Reichers, Cindy Loeffler, Tim Birdsong, Mark Lockwood, Melissa Parker, Stephan Magnelia, Anne Rogers, and David Riskind from TPWD provided tremendous leadership and support for this project. The TPWD Communication Division for their efforts in publishing this report, particularly Cristina Gonzalez and Susan Frentz. The USFWS San Marcos Aquatic Resource Center, namely Kenneth Ostrand and David Briton, as well as the Texas Fish and Wildlife Conservation Office, namely Mike Montagne, also provided significant support for this project. Fish collections could not have been done without Sarah Robertson, Alana Stevens, Lynn Wright, John Ingle, Charles Cruz, Dominik Chilleri, Melissa Parker, Gary Garrett, Preston Bean, Ryan Smith, Stephanie Vail-Muse, Russell Martin, Joshuah Perkin, Matthew Acre, Zach Steffensmeier, Karim Aziz, and Lauren Yancy. Benthic macroinvertebrate collections could not have been done without the help of Parvathi Nair, Patricia Echo Hawk, Josh Abel, Justin Crowe, Morgan Brizendine, Kevin Kolodziejcyk, Diego Naraujo, Kayla Robichaux, Christina Johnson, Matthew Stehle, Dillon Harriman, Ben Hutchins, and Daniel Houston.

We thank Balmorhea State Park staff and Superintendent Carolyn Rose for their support of the project as well as State Parks Natural Resources staff Nicolas Havlik and Price Rumbelow for their overall support and assistance in the field. We would also like to thank Cary Carman and USGS San Angelo office staff and Charles Dvorsky, Ed Ragsdale, and Ivan Cruikshank with the TCEQ Continuous Water Quality Monitoring Program. Dustin Armstrong and Eric Gonzales with US Bureau of Reclamation provided access to Phantom Lake Spring and assisted with field collections in various ways. And finally, thank you to Tacos OJ in Fort Stockton for keeping a bunch of hungry biologists well fed and happy. The views presented herein are those of the authors and do not necessarily represent those of the U.S. Fish and Wildlife Service.

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APPENDICES

Appendix A – Benthic macroinvertebrates species list and counts by sampling location

Table A1. East Sandia benthic macroinvertebrates.

	3/27/2017	6/27/2017	10/16/2017	12/11/2017	3/5/2018	6/11/2018	9/17/2018	12/10/2018	
TAXA									**Total**
Amphipoda									
Gammarus	177	2,374	68	742	318	213	243	457	4,592
Gastropoda									0
Tarebia	0	0	0	0	0	0	0	3	3
Melanoides	0	0	0	0	0	0	1	0	1
Tryonia	35	48	5	28	10	0	583	1	710
Pyrgolopsis	0	47	5	29	22	5	43	1	152
Physidae	6	0	0	0	1	1	0	0	8
Diptera									0
Tanypodinae	51	140	27	17	0	5	53	25	318
Tanytarsini	6	18	11	17	5	9	0	5	71
Chironomini	0	76	0	38	5	72	8	5	204
Orthocladinae	0	0	0	2	0	0	0	0	2
Ceratopogonidae	0	2	0	0	0	0	0	0	2
Culicoides	3	0	4	3	0	0	0	0	10
Anisoptera									0
Gomphus	0	0	0	0	0	0	0	1	1
Coleoptera									0
Microcylloepus	0	8	0	0	1	0	5	3	17
Laccophilus	0	1	0	0	0	0	0	0	1
Leutrochus	0	0	1	0	0	0	0	0	1
Tropisternus	0	0	0	0	0	1	0	0	1
Hemiptera									0
Ambrysus	0	0	0	0	0	0	1	0	1
Crawfish	0	0	1	0	0	0	0	0	1
Total	**278**	**2,714**	**122**	**876**	**362**	**306**	**937**	**501**	**6,096**

Table A2. West Sandia benthic macroinvertebrates.

	6/26/2017	10/17/2017	12/12/2017	3/6/2018	6/12/2018	9/18/2018	12/11/2018	
TAXA								**Total**
Amphipoda								
Gammarus	401	182	170	273	1,264	311	80	2,681
Gastropoda								
Tarebia	0	0	0	0	0	0	2	2
Melanoides	0	0	0	0	0	0	1	1
Tryonia	0	0	0	1	0	0	0	1
Pyrgolopsis	1	0	0	0	0	0	0	1
Corbicula	0	0	0	0	0	0	1	1
Diptera								
Tanypodinae	1	0	0	0	0	0	1	2
Tanytarsini	1	27	7	9	65	1	2	112
Chironomini	61	14	19	11	61	21	48	235
Orthocladinae	3	3	1	0	0	0	0	7
Cambaridae	0	5	1	0	0	0	0	6
Trichoptera								
Nectopsyche	0	1	0	0	0	0	0	1
Ephmeroptera								
Tricorythodes	1	0	0	0	0	0	0	1
Fallceon	0	0	0	1	0	0	0	1
Zygoptera								
Hetaerina	1	0	0	0	0	0	0	1
Coleoptera								
Typhloelmis	0	0	1	0	0	0	0	1
Total	**470**	**232**	**199**	**295**	**1,390**	**333**	**135**	**3,054**

Table A3. San Solomon Pool benthic macroinvertebrates.

	3/29/2017	6/27/2017	10/17/2017	12/12/2017	3/6/2018	6/12/2018	9/18/2018	12/11/2018	
TAXA									**Total**
Ephemeroptera									
Calibaetis	0	0	2	8	0	0	0	0	10
Caenis	0	1	8	0	0	0	0	1	10
Amphipoda									
Gammarus	426	104	189	683	214	17	90	266	1,989
Gastropoda									
Tarebia	299	860	2,074	1,570	884	1,927	1,006	1,184	9,804
Melanoides	26	305	478	941	192	452	164	351	2,909
Tryonia	4,499	3,085	253	301	2,664	906	216	1,752	13,676
Pyrgolopsis	50	4	55	11	1	20	1	3	145
Physidae	8	5	3	13	6	19	0	24	78
Corbicula	0	0	0	18	0	0	0	0	18
Copepoda	0	23	0	0	0	0	0	0	23
Decapoda									
Cambaridae	0	0	1	0	0	0	0	1	2
Zygoptera									
Argia	0	0	0	4	0	0	0	0	4
Enallagma	0	0	0	2	0	0	0	0	2
Anisooptera									
Perithemis	0	0	0	0	1	0	0	0	1
Orthemis	0	0	0	1	0	0	0	0	1
Gomphidae	0	0	0	0	2	0	1	1	4
Diptera									
Culicoides	0	0	0	4	0	2	0	50	58
Tanypodinae	0	0	0	1	0	0	0	14	15
Tanytarsini	3	1	0	5	4	0	0	1	14
Chironomini	31	5	3	195	71	14	2	26	347
Orthocladinae	2	0	1	19	1	1	0	1	25
Pseudochironomini	0	1	0	0	0	0	0	0	1
Total	**5,344**	**4,394**	**3,067**	**3,778**	**4,040**	**3,361**	**1,480**	**3,677**	**29,141**

Table A4. San Solomon Canal benthic macroinvertebrates.

	3/28/2017	6/27/2017	10/17/2017	12/12/2017	3/6/2018	6/12/2018	9/18/2018	12/11/2018	
TAXA									**Total**
Amphipoda									
Gammarus	1,005	2,589	1,476	810	1,270	380	1,508	1,583	10,621
Gastropoda									
Tarebia	1,473	5,057	2,950	2,876	2,198	3,625	4,094	6,557	28,830
Melanoides	168	366	100	363	221	243	165	114	1,740
Tryonia	61	529	635	454	46	51	11	60	1,847
Pyrgolopsis	43	86	78	389	341	7	14	878	1,836
Physidae	1	6	1	0	1	0	1	1	11
Diptera									
Tanypodinae	0	0	0	4	1	4	26	0	35
Tanytarsini	68	7	51	5	22	6	15	36	210
Chironomini	28	73	121	22	141	103	142	158	788
Orthocladinae	47	73	5	9	9	4	21	8	176
Pseudochironomini	1	1	0	0	0	0	0	0	2
Simulium	0	0	1	1	0	2	0	0	4
Veliidae									
Rhagovelia	0	0	2	4	0	0	0	0	6
Planaria	0	0	8	0	0	0	0	0	8
Crawfish	0	0	0	1	0	0	0	0	1
Annelid	0	0	0	0	0	2	1	1	4
Trichooptera									
Nectopsyche	0	3	2	0	0	0	0	1	6
Helicopsyche	0	0	18	2	3	12	11	2	48
Cheumatopsyche	0	0	0	0	21	0	0	1	22
Cultpotila	1	0	1	0	5	0	2	8	17
Lepidoptera	0	0	14	0	0	0	0	0	14
Petrophila	1	0	4	3	6	0	4	13	31
Ephemeroptera									
Baetis	25	2	0	13	5	3	3	3	54
Caenis	0	3	0	0	0	0	0	0	3
Fallceon	1	4	0	0	0	0	1	1	7
Tricorythodes	0	2	0	0	1	0	0	1	4
Callibaetis	0	0	0	0	0	1	0	0	1
Camelobaetis	1	1	0	0	5	0	0	0	7
Trichoptera									
Hydroptila	1	1	5	0	1	1	0	6	15
Oxyethira	0	0	0	0	0	2	0	0	2
Leucotrichia	0	0	0	0	7	0	0	3	10

	3/28/2017	6/27/2017	10/17/2017	12/12/2017	3/6/2018	6/12/2018	9/18/2018	12/11/2018	
Ochrotrichia	0	1	0	0	0	0	0	0	1
Ochrotrichia	0	0	0	0	0	0	0	1	1
Polycentropus	0	0	0	0	1	0	0	0	1
Anisoptera									
Dythemis	0	0	0	0	1	0	0	0	1
Gomphidae	0	0	0	0	2	0	1	2	5
Erpetogomphus	0	0	0	0	1	1	0	0	2
Ariogomphus	0	0	0	0	0	0	2	0	2
Dromogomphus	0	0	0	0	1	0	2	0	3
Coleoptera									
Microcylloepus	1	2	1	0	3	2	0	4	13
Neoelmis	10	2	0	5	29	1	15	6	68
Lutrochis	0	0	0	0	0	0	3	3	6
Megaloptera									
Corydalus	0	0	0	0	1	0	0	0	1
Veliidae									
Rhagovelia	0	0	0	0	1	0	1	1	3
Total	**2,936**	**8,808**	**5,473**	**4,961**	**4,344**	**4,450**	**6,043**	**9,452**	**46,467**

Table A5. San Solomon Cienega benthic macroinvertebrates.

	3/28/2017	6/28/2017	10/17/2017	12/12/2017	3/6/2018	6/12/2018	9/18/2018	12/11/2018	
TAXA									**Total**
Amphipoda									
Gammarus	121	428	301	1,077	553	219	94	172	2965
Gastropoda									
Tarebia	377	3,468	3,004	4,268	273	489	699	1,334	13912
Melanoides	167	623	2,253	1,800	306	743	1,316	1,676	8884
Tryonia	0	3	0	1	0	10	7	0	21
Pyrgolopsis	0	0	0	0	0	0	0	1	1
Physidae	0	2	9	8	5	0	2	10	36
Corbicula	8	34	29	136	0	44	19	56	326
Diptera									
Tanypodinae	5	16	10	14	1	1	0	22	69
Tanytarsini	7	11	0	0	31	20	53	59	181
Chironomini	0	2	6	1	160	74	6	14	263
Orthocladinae	0	0	0	0	0	0	0	5	5
Trichoptera									
Helicopsyche	0	0	1	0	0	0	0	0	1
Oxyethira	0	0	0	1	0	0	0	0	1
Decapoda									
Crawfish	0	0	0	1	0	0	0	4	5
Ephemeroptera									
Calibaetis	2	0	0	2	0	0	1	0	5
Caenis	4	6	25	7	6	15	19	98	180
Ceratopogonidae	0	1	0	0	2	0	0	1	4
Zygoptera									
Enallagma	0	0	1	0	0	0	0	0	1
Argia	0	0	0	1	0	0	0	0	1
Ischnura	0	0	0	0	2	0	0	0	2
Anisoptera									
Erythemis	0	0	0	2	1	0	0	2	5
Perithemis	0	0	0	1	0	0	0	0	1
Orthemis	0	0	0	1	0	0	0	0	1
Tramea	0	0	0	1	0	0	0	0	1
Gomphidae	0	0	0	0	2	1	5	1	9
Ariogomphus	0	0	0	1	1	0	0	0	2
Dromogomphus	0	0	0	0	1	2	0	0	3
Coleoptera									
Microcylloepus	0	0	0	0	0	1	0	0	1
Veliidae									

	3/28/2017	6/28/2017	10/17/2017	12/12/2017	3/6/2018	6/12/2018	9/18/2018	12/11/2018	
Mesovelia	0	0	0	0	0	0	2	0	2
Annelid	0	0	0	0	0	2	0	2	4
Cordulidae	0	1	0	0	0	0	0	0	1
Total	**691**	**4,595**	**5,639**	**7,323**	**1,344**	**1,621**	**2,223**	**3,457**	**26,893**

Table A6. Hubbs Cienega benthic macroinvertebrates.

	3/28/2017	6/27/2017	10/17/2017	12/12/2017	3/6/2018	6/12/2018	9/18/2018	12/11/2018	
TAXA									**Total**
Amphipoda									
Gammarus	7	33	61	134	26	110	5	143	519
Gastropoda									
Tarebia	11	434	628	1,120	459	1,011	597	898	5,158
Melanoides	228	683	943	911	456	315	124	317	3,977
Tryonia	0	10	5	24	50	51	10	112	262
Pyrgolopsis	0	0	8	1	1	1	0	0	11
Physidae	0	0	15	14	33	0	0	1	63
Diptera									
Tanypodinae	0	1	0	0	0	0	1	0	2
Tanytarsini	0	6	0	0	1	13	5	0	25
Chironomini	0	11	1	3	212	28	7	0	262
Orthocladinae	0	1	0	2	0	0	0	0	3
Culicoides	0	0	0	0	0	2	1	0	3
Ephemeroptera									
Caenis	0	1	0	3	0	2	0	0	6
Callibaetis	0	0	0	0	0	0	1	0	1
Zygoptera									
Enallagma	0	1	0	0	0	0	0	1	2
Anispotera									
Erythemis	0	0	0	1	0	0	0	0	1
Perithemis	0	0	0	0	0	0	0	1	1
Orthemis	0	0	1	0	0	0	0	0	1
Tramea	0	0	0	0	0	0	1	0	1
Hemiptera									
Ambrysus	0	0	0	0	1	0	0	0	1
Total	**246**	**1181**	**1662**	**2213**	**1239**	**1533**	**752**	**1473**	**10299**

Table A7. Phantom Lake Spring/Cave benthic macroinvertebrates.

	3/29/2017	6/26/2017	12/12/2017	2/28/2018	6/12/2018	12/12/2018	
TAXA							**Total**
Amphipoda							
Gammarus	939	72	64	0	2,511	22	3,608
Gastropoda							
Tarebia	15	32	2	2	5	4	60
Melanoides	234	1,027	109	3	468	101	1,942
Tryonia	305	1,170	115	13	298	1,402	3,303
Pyrgolopsis	7,639	5,200	8,098	297	26,058	3,854	51,146
Physidae	32	18	158	0	25	1	234
Diptera							
Tanypodinae	0	3	2	0	29	0	34
Tanytarsini	0	39	2	0	0	0	41
Chironomini	0	68	5	0	146	6	225
Orthocladinae	0	7	0	1	2	0	10
Lepidooptera							
Petrophila	0	3	0	0	0	1	4
Ephemeroptera							
Calibaetis	0	6	0	0	0	1	7
Caenis	0	11	7	0	15	0	33
Zygoptera							
Argia	0	0	0	0	7	0	7
Telebasis	0	0	0	0	0	1	1
Anispotera							
Erythemis	1	0	0	0	0	0	1
Orthemis	0	2	0	0	0	0	2
Erpetogomphus	0	1	0	0	0	0	1
Coleoptera							
Haliplus	1	0	3	0	0	0	4
Berosus	0	2	0	0	0	0	2
Haliplus	1	0	0	0	0	0	1
Hydraenidae	0	0	0	0	1	0	1
Trichoptera							
Ochrotrichia	0	1	0	0	0	0	1
Oxytheria	0	1	0	0	0	0	1
Total	**9,167**	**7,663**	**8,565**	**316**	**29,565**	**5,393**	**60,669**

Table A8. Phantom Lake Spring/Cave benthic macroinvertebrates.

	3/29/2017	6/26/2017	12/12/2017	2/28/2018	6/12/2018	12/12/2018	
TAXA							**Total**
Amphipoda							
Gammarus	939	72	64	0	2,511	22	3,608
Gastropoda							
Tarebia	15	32	2	2	5	4	60
Melanoides	234	1,027	109	3	468	101	1,942
Tryonia	305	1,170	115	13	298	1,402	3,303
Pyrgolopsis	7,639	5,200	8,098	297	26,058	3,854	51,146
Physidae	32	18	158	0	25	1	234
Diptera							
Tanypodinae	0	3	2	0	29	0	34
Tanytarsini	0	39	2	0	0	0	41
Chironomini	0	68	5	0	146	6	225
Orthocladinae	0	7	0	1	2	0	10
Lepidooptera							
Petrophila	0	3	0	0	0	1	4
Ephemeroptera							
Calibaetis	0	6	0	0	0	1	7
Caenis	0	11	7	0	15	0	33
Zygoptera							
Argia	0	0	0	0	7	0	7
Telebasis	0	0	0	0	0	1	1
Anispotera							
Erythemis	1	0	0	0	0	0	1
Orthemis	0	2	0	0	0	0	2
Erpetogomphus	0	1	0	0	0	0	1
Coleoptera							
Haliplus	1	0	3	0	0	0	4
Berosus	0	2	0	0	0	0	2
Haliplus	1	0	0	0	0	0	1
Hydraenidae	0	0	0	0	1	0	1
Trichoptera							
Ochrotrichia	0	1	0	0	0	0	1
Oxytheria	0	1	0	0	0	0	1
Total	**9,167**	**7,663**	**8,565**	**316**	**29,565**	**5,393**	**60,669**

Appendix B – Seasonal abundance of focal invertebrate species by location.

Figure B1. East Sandia Springs focal invertebrate species abundance.

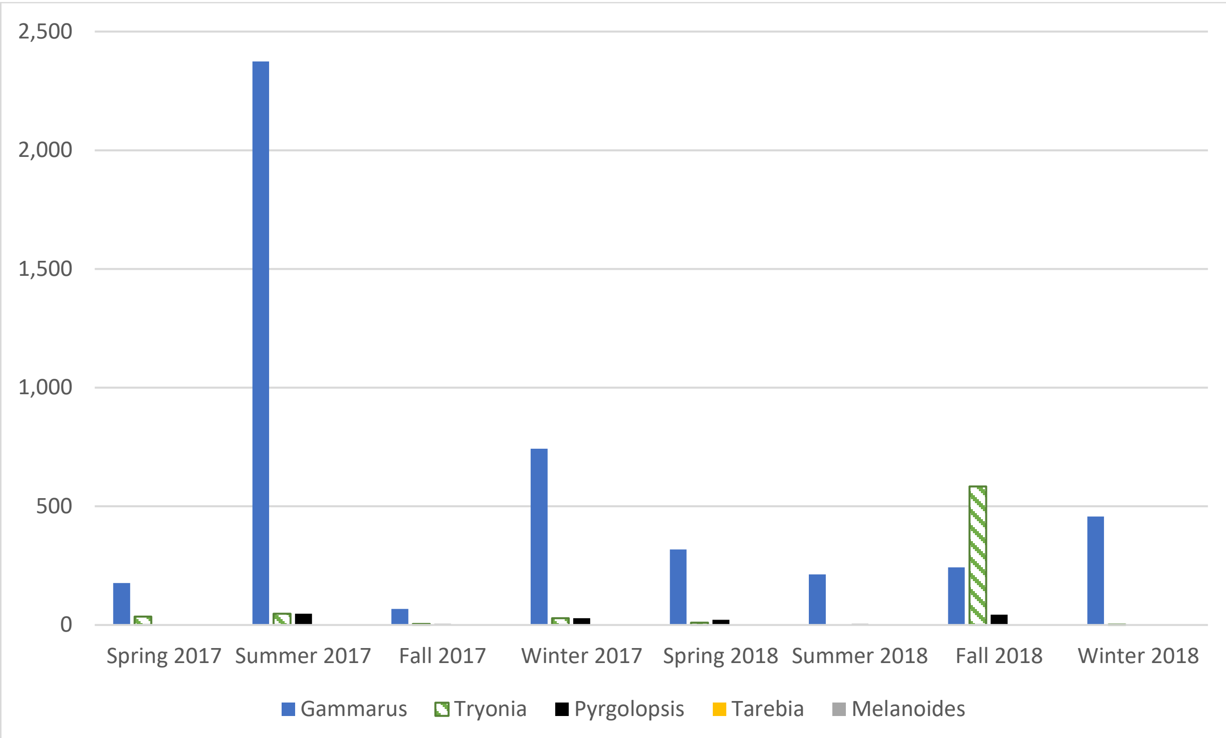


Table B1. East Sandia Springs focal invertebrate species abundance.

	Gammarus	Tryonia	Pyrgolopsis	Tarebia	Melanoides
Spring 2017	177	35	0	0	0
Summer 2017	2374	48	47	0	0
Fall 2017	68	5	5	0	0
Winter 2017	742	28	29	0	0
Spring 2018	318	10	22	0	0
Summer 2018	213	0	5	0	0
Fall 2018	243	583	43	0	1
Winter 2018	457	1	1	3	0
	4592	710	152	3	1

Figure B2. West Sandia Springs focal invertebrate species abundance.

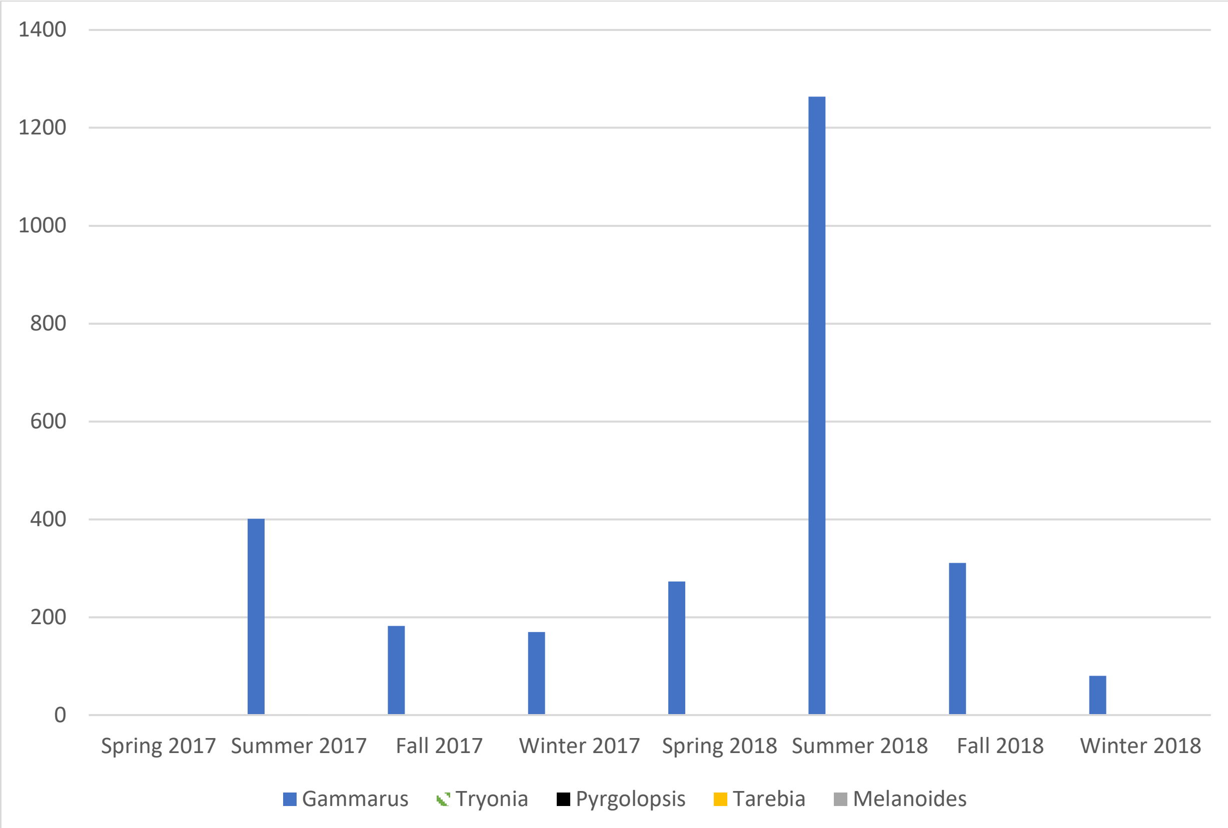


Table B2. West Sandia Springs focal invertebrate species abundance.

	Gammarus	Tryonia	Pyrgolopsis	Tarebia	Melanoides
Spring 2017	0	0	0	0	0
Summer 2017	401	0	1	0	0
Fall 2017	182	0	0	0	0
Winter 2017	170	0	0	0	0
Spring 2018	273	1	0	0	0
Summer 2018	1264	0	0	0	0
Fall 2018	311	0	0	0	0
Winter 2018	80	0	0	2	1
	2681	1	1	2	1

Figure B3. San Solomon Pool focal invertebrate species abundance.

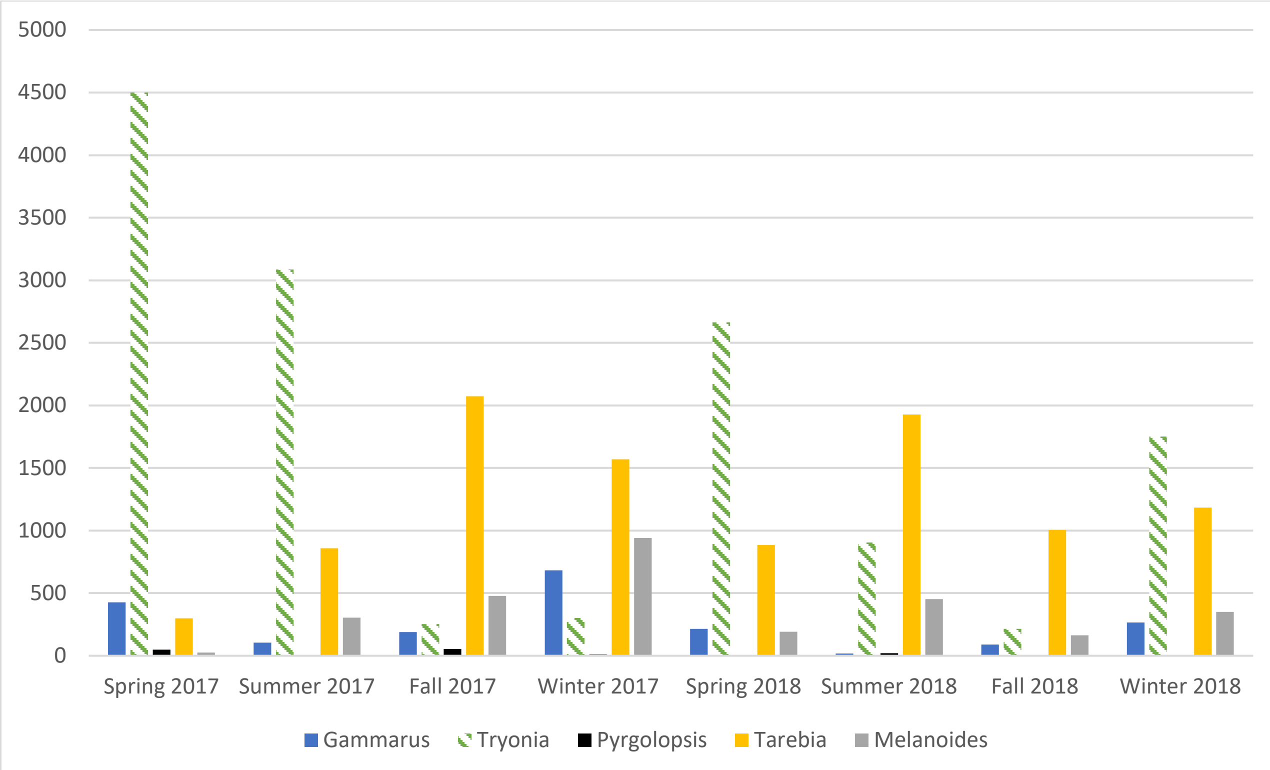
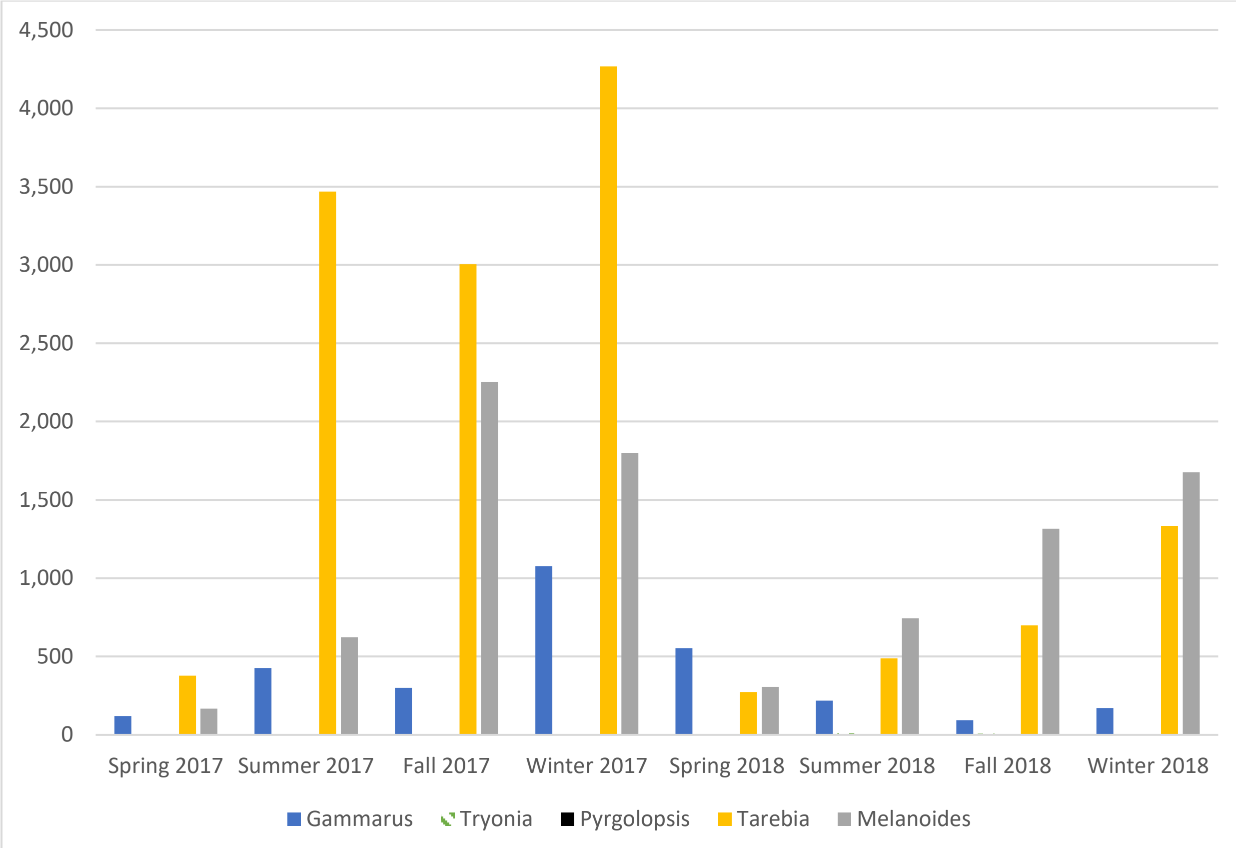


Table B3. San Solomon Pool focal invertebrate species abundance.

	Gammarus	Tryonia	Pyrgolopsis	Tarebia	Melanoides
Spring 2017	426	4,499	50	299	26
Summer 2017	104	3,085	4	860	305
Fall 2017	189	253	55	2,074	478
Winter 2017	683	301	11	1,570	941
Spring 2018	214	2,664	1	884	192
Summer 2018	17	906	20	1,927	452
Fall 2018	90	216	1	1,006	164
Winter 2018	266	1,752	3	1,184	351
	1,989	13,676	145	9,804	2,909

Figure B4. San Solomon Cienega focal invertebrate species abundance.



B4. San Solomon Cienega focal invertebrate species abundance.

	Gammarus	Tryonia	Pyrgolopsis	Tarebia	Melanoides
Spring 2017	121	0	0	377	167
Summer 2017	428	3	0	3,468	623
Fall 2017	301	0	0	3,004	2,253
Winter 2017	1,077	1	0	4,268	1,800
Spring 2018	553	0	0	273	306
Summer 2018	219	10	0	489	743
Fall 2018	94	7	0	699	1,316
Winter 2018	172	0	1	1,334	1,676
	2,965	21	1	13,912	8,884

Figure B5. Hubbs Cienega focal invertebrate species abundance.

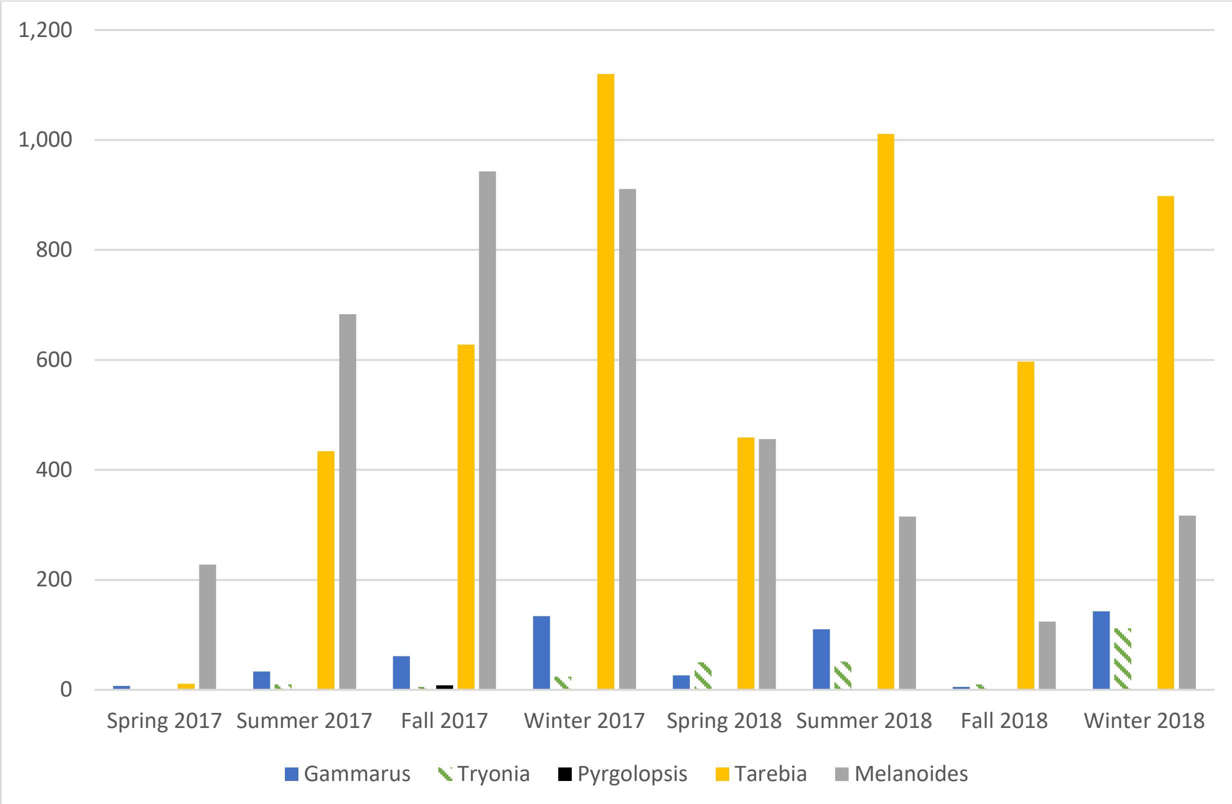


Table B5. Hubbs Cienega focal invertebrate species abundance.

	Gammarus	Tryonia	Pyrgolopsis	Tarebia	Melanoides
Spring 2017	7	0	0	11	228
Summer 2017	33	10	0	434	683
Fall 2017	61	5	8	628	943
Winter 2017	134	24	1	1,120	911
Spring 2018	26	50	1	459	456
Summer 2018	110	51	1	1,011	315
Fall 2018	5	10	0	597	124
Winter 2018	143	112	0	898	317
	519	262	11	5,158	3,977

Figure B6. Phantom Lake springs focal invertebrate species abundance.

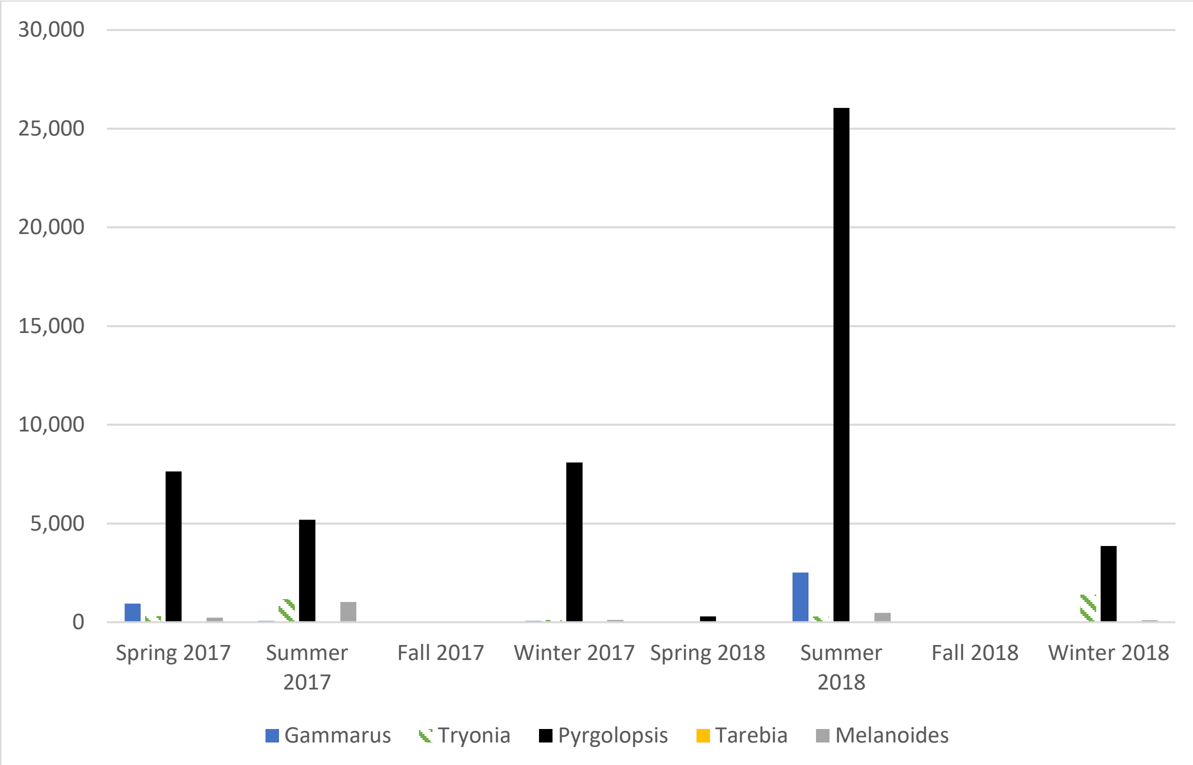


Table B6. Phantom Lake Springs focal invertebrate species abundance.

	Gammarus	Tryonia	Pyrgolopsis	Tarebia	Melanoides
Spring 2017	939	306	7,644	27	237
Summer 2017	72	1,169	5,195	20	1,024
Fall 2017	0	0	0	0	0
Winter 2017	64	115	8,098	2	109
Spring 2018	0	13	297	2	3
Summer 2018	2,511	298	26,058	5	468
Fall 2018	0	0	0	0	0
Winter 2018	22	1,402	3,854	4	101
	3,608	3,303	51,146	60	1,942

Appendix C – Water Quality Data

Table C1. East Sandia Springs Water Quality Data

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	280	mg/L	0	0	GW
East Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	280	mg/L	20	20	GW
East Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	266	mg/L	0	0	GW
East Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	266	mg/L	20	20	GW
East Sandia Springs	3/5/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	274	mg/L	0	0	GW
East Sandia Springs	3/5/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	3/5/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	3/5/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	3/5/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	274	mg/L	20	20	GW
East Sandia Springs	6/11/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	285	mg/L	0	0	GW
East Sandia Springs	6/11/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	6/11/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	6/11/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	6/11/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	285	mg/L	20	20	GW
East Sandia Springs	9/17/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	280	mg/L	0	0	GW
East Sandia Springs	9/17/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	9/17/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	9/17/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	9/17/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	280	mg/L	20	20	GW
East Sandia Springs	12/10/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	282	mg/L	0	0	GW
East Sandia Springs	12/10/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	12/10/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
East Sandia Springs	12/10/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	12/10/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	282	mg/L	20	20	GW
East Sandia Springs	6/26/2017	E300.0, Anions	Anions	Bromide Dissolved	0.721	mg/L	0.2	0.08	GW
East Sandia Springs	6/26/2017	E300.0, Anions	Anions	Chloride Dissolved	770	mg/L	25	10	GW
East Sandia Springs	6/26/2017	E300.0, Anions	Anions	Fluoride Dissolved	2.57	mg/L	0.1	0.04	GW
East Sandia Springs	6/26/2017	E300.0, Anions	Anions	Sulfate Dissolved	878	mg/L	25	10	GW
East Sandia Springs	12/12/2017	E300.0, Anions	Anions	Bromide Dissolved	0.685	mg/L	0.5	0.2	GW
East Sandia Springs	12/12/2017	E300.0, Anions	Anions	Chloride Dissolved	844	mg/L	25	10	GW
East Sandia Springs	12/12/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.6	mg/L	0.25	0.1	GW
East Sandia Springs	12/12/2017	E300.0, Anions	Anions	Sulfate Dissolved	872	mg/L	25	10	GW
East Sandia Springs	3/5/2018	E300.0, Anions	Anions	Bromide Dissolved	0.658	mg/L	0.5	0.2	GW
East Sandia Springs	3/5/2018	E300.0, Anions	Anions	Chloride Dissolved	857	mg/L	25	10	GW
East Sandia Springs	3/5/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.96	mg/L	0.25	0.1	GW
East Sandia Springs	3/5/2018	E300.0, Anions	Anions	Sulfate Dissolved	880	mg/L	25	10	GW
East Sandia Springs	6/11/2018	E300.0, Anions	Anions	Bromide Dissolved	0.548	mg/L	0.5	0.2	GW
East Sandia Springs	6/11/2018	E300.0, Anions	Anions	Chloride Dissolved	804	mg/L	25	10	GW
East Sandia Springs	6/11/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.94	mg/L	0.25	0.1	GW
East Sandia Springs	6/11/2018	E300.0, Anions	Anions	Sulfate Dissolved	829	mg/L	25	10	GW
East Sandia Springs	9/17/2018	E300.0, Anions	Anions	Bromide Dissolved	0.582	mg/L	0.5	0.2	GW
East Sandia Springs	9/17/2018	E300.0, Anions	Anions	Chloride Dissolved	765	mg/L	25	10	GW
East Sandia Springs	9/17/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.09	mg/L	0.25	0.1	GW
East Sandia Springs	9/17/2018	E300.0, Anions	Anions	Sulfate Dissolved	823	mg/L	25	10	GW
East Sandia Springs	12/10/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
East Sandia Springs	12/10/2018	E300.0, Anions	Anions	Chloride Dissolved	811	mg/L	25	10	GW
East Sandia Springs	12/10/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.05	mg/L	0.25	0.1	GW
East Sandia Springs	12/10/2018	E300.0, Anions	Anions	Sulfate Dissolved	864	mg/L	25	10	GW
East Sandia Springs	6/26/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	2.68	%			GW
East Sandia Springs	12/12/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	3.35	%			GW
East Sandia Springs	3/5/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	3.42	%			GW
East Sandia Springs	6/11/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	1	%			GW
East Sandia Springs	9/17/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	-0.04	%			GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	12/10/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	4.44	%			GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	43.6	ug/L	5	1.5	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.35	ug/L	1	0.7	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	14.9	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	425	ug/L	50	20	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	243	mg/L	0.2	0.07	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.77	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	165	ug/L	2	0.7	GW
East Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	85.6	mg/L	0.2	0.07	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	4.42	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.6	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	23.4	mg/L	0.2	0.07	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	540	mg/L	0.4	0.14	GW
East Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4040	ug/L	10	4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	11.1	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	6.19	ug/L	1	0.4	GW
East Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.39	ug/L	1	0.7	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	15.8	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	356	ug/L	50	20	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	243	mg/L	0.2	0.07	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.11	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	162	ug/L	2	0.7	GW
East Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	83.6	mg/L	0.2	0.07	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	3.47	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11.9	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	25.5	mg/L	0.2	0.07	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	565	mg/L	1	0.35	GW
East Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4170	ug/L	50	20	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	12.2	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	6.53	ug/L	1	0.4	GW
East Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	2	ug/L	1	0.7	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	14.1	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	3/5/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	439	ug/L	50	20	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	244	mg/L	0.2	0.07	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.86	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	175	ug/L	2	0.7	GW
East Sandia Springs	3/5/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	87.3	mg/L	0.2	0.07	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	3.25	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.9	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	25.6	mg/L	0.2	0.07	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	570	mg/L	1	0.35	GW
East Sandia Springs	3/5/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4530	ug/L	10	4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	11.2	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	5.84	ug/L	1	0.4	GW
East Sandia Springs	3/5/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.19	ug/L	1	0.7	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	15.1	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	424	ug/L	100	40	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	256	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.15	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	137	ug/L	2	0.7	GW
East Sandia Springs	6/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	88.8	mg/L	0.2	0.07	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	2.56	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	9.6	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	24.4	mg/L	0.2	0.07	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	553	mg/L	1	0.35	GW
East Sandia Springs	6/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4370	ug/L	20	8	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	9.8	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	6.09	ug/L	1	0.4	GW
East Sandia Springs	6/11/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	5.38	ug/L	5	1.5	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<5.00	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	3.15	ug/L	1	0.7	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	15.1	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	9/17/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	399	ug/L	50	20	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<5.00	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	244	mg/L	0.2	0.07	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.95	ug/L	1	0.4	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	2.42	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	9/17/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<5.00	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	159	ug/L	2	0.7	GW
East Sandia Springs	9/17/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	82.3	mg/L	0.2	0.07	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	5.44	ug/L	1	0.4	GW
East Sandia Springs	9/17/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	12.2	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	22.9	mg/L	0.2	0.07	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<5.00	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	571	mg/L	1	0.35	GW
East Sandia Springs	9/17/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3980	ug/L	10	4	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<5.00	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	8.97	ug/L	5	2	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	6.3	ug/L	1	0.4	GW
East Sandia Springs	9/17/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	2.03	ug/L	1	0.7	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	14.8	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	364	ug/L	50	20	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	229	mg/L	0.2	0.07	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.01	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.15	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	173	ug/L	2	0.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
East Sandia Springs	12/10/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	79.3	mg/L	0.2	0.07	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	3.38	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11.5	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	23.2	mg/L	0.2	0.07	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	553	mg/L	0.4	0.14	GW
East Sandia Springs	12/10/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3890	ug/L	10	4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	12.6	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	6.28	ug/L	1	0.4	GW
East Sandia Springs	12/10/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
East Sandia Springs	6/26/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	28.7	mg/L	2.5	1	GW
East Sandia Springs	12/12/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	34.8	mg/L	1	0.4	GW
East Sandia Springs	3/5/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	32.4	mg/L	1	0.4	GW
East Sandia Springs	6/11/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	34.6	mg/L	1	0.4	GW
East Sandia Springs	9/17/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	34	mg/L	1	0.4	GW
East Sandia Springs	12/10/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	31.8	mg/L	1	0.4	GW
East Sandia Springs	6/26/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.817	mg/L	0.02	0.008	GW
East Sandia Springs	6/26/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
East Sandia Springs	12/12/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.946	mg/L	0.02	0.008	GW
East Sandia Springs	12/12/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
East Sandia Springs	3/5/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	1.33	mg/L	0.02	0.008	GW
East Sandia Springs	3/5/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
East Sandia Springs	6/11/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.976	mg/L	0.02	0.008	GW
East Sandia Springs	6/11/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
East Sandia Springs	9/17/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.838	mg/L	0.02	0.008	GW
East Sandia Springs	9/17/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
East Sandia Springs	12/10/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	1.02	mg/L	0.02	0.008	GW
East Sandia Springs	12/10/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.03	mg/L	0.02	0.008	GW

Table C2. West Sandia Springs Water Quality Data

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	269	mg/L	0	0	GW
West Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	6/26/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	269	mg/L	20	20	GW
West Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	284	mg/L	0	0	GW
West Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	284	mg/L	20	20	GW
West Sandia Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	263	mg/L	0	0	GW
West Sandia Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	263	mg/L	20	20	GW
West Sandia Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	270	mg/L	0	0	GW
West Sandia Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	270	mg/L	20	20	GW
West Sandia Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	266	mg/L	0	0	GW
West Sandia Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	266	mg/L	20	20	GW
West Sandia Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	272	mg/L	0	0	GW
West Sandia Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
West Sandia Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	272	mg/L	20	20	GW
West Sandia Springs	6/26/2017	E300.0, Anions	Anions	Bromide Dissolved	0.655	mg/L	0.5	0.2	GW
West Sandia Springs	6/26/2017	E300.0, Anions	Anions	Chloride Dissolved	809	mg/L	25	10	GW
West Sandia Springs	6/26/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.89	mg/L	0.25	0.1	GW
West Sandia Springs	6/26/2017	E300.0, Anions	Anions	Sulfate Dissolved	831	mg/L	25	10	GW
West Sandia Springs	12/12/2017	E300.0, Anions	Anions	Bromide Dissolved	0.602	mg/L	0.5	0.2	GW
West Sandia Springs	12/12/2017	E300.0, Anions	Anions	Chloride Dissolved	843	mg/L	25	10	GW
West Sandia Springs	12/12/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.73	mg/L	0.25	0.1	GW
West Sandia Springs	12/12/2017	E300.0, Anions	Anions	Sulfate Dissolved	871	mg/L	25	10	GW
West Sandia Springs	3/6/2018	E300.0, Anions	Anions	Bromide Dissolved	0.628	mg/L	0.5	0.2	GW
West Sandia Springs	3/6/2018	E300.0, Anions	Anions	Chloride Dissolved	831	mg/L	25	10	GW
West Sandia Springs	3/6/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.44	mg/L	0.25	0.1	GW
West Sandia Springs	3/6/2018	E300.0, Anions	Anions	Sulfate Dissolved	911	mg/L	25	10	GW
West Sandia Springs	6/12/2018	E300.0, Anions	Anions	Bromide Dissolved	0.628	mg/L	0.2	0.08	GW
West Sandia Springs	6/12/2018	E300.0, Anions	Anions	Chloride Dissolved	716	mg/L	25	10	GW
West Sandia Springs	6/12/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.05	mg/L	0.25	0.1	GW
West Sandia Springs	6/12/2018	E300.0, Anions	Anions	Sulfate Dissolved	806	mg/L	25	10	GW
West Sandia Springs	9/18/2018	E300.0, Anions	Anions	Bromide Dissolved	0.522	mg/L	0.5	0.2	GW
West Sandia Springs	9/18/2018	E300.0, Anions	Anions	Chloride Dissolved	742	mg/L	25	10	GW
West Sandia Springs	9/18/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.22	mg/L	0.25	0.1	GW
West Sandia Springs	9/18/2018	E300.0, Anions	Anions	Sulfate Dissolved	850	mg/L	25	10	GW
West Sandia Springs	12/11/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
West Sandia Springs	12/11/2018	E300.0, Anions	Anions	Chloride Dissolved	747	mg/L	25	10	GW
West Sandia Springs	12/11/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.4	mg/L	0.25	0.1	GW
West Sandia Springs	12/11/2018	E300.0, Anions	Anions	Sulfate Dissolved	835	mg/L	25	10	GW
West Sandia Springs	6/26/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	3.25	%			GW
West Sandia Springs	12/12/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	3.96	%			GW
West Sandia Springs	3/6/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	3.83	%			GW
West Sandia Springs	6/12/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	0.67	%			GW
West Sandia Springs	9/18/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	1.29	%			GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	12/11/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	5.78	%			GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	118	ug/L	5	1.5	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.05	ug/L	1	0.7	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	23.2	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	389	ug/L	50	20	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	249	mg/L	0.2	0.07	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.32	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.48	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	155	ug/L	50	20	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	168	ug/L	2	0.7	GW
West Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	91.4	mg/L	0.2	0.07	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	7.63	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	13.6	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	24.5	mg/L	0.2	0.07	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	508	mg/L	0.4	0.14	GW
West Sandia Springs	6/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4090	ug/L	10	4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	2.42	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	21.6	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	4.75	ug/L	1	0.4	GW
West Sandia Springs	6/26/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.01	ug/L	1	0.7	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	24.8	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	315	ug/L	50	20	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	243	mg/L	0.2	0.07	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.34	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	163	ug/L	2	0.7	GW
West Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	88.8	mg/L	0.2	0.07	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	42.7	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	15.9	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	26.9	mg/L	0.2	0.07	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	549	mg/L	1	0.35	GW
West Sandia Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4250	ug/L	50	20	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	1.8	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	20	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	4.32	ug/L	1	0.4	GW
West Sandia Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.78	ug/L	1	0.7	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	21.6	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	431	ug/L	50	20	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	244	mg/L	0.2	0.07	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	2.67	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	176	ug/L	2	0.7	GW
West Sandia Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	92.8	mg/L	0.2	0.07	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	20.5	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	15.3	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	26.3	mg/L	0.2	0.07	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	6.95	ug/L	5	1.5	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	545	mg/L	1	0.35	GW
West Sandia Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4480	ug/L	10	4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	19.9	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	4.58	ug/L	1	0.4	GW
West Sandia Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	42.7	ug/L	5	1.5	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	<1.00	ug/L	1	0.7	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	21.2	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	<5000	ug/L	5000	2000	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	236	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.14	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	53.7	ug/L	50	20	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	143	ug/L	2	0.7	GW
West Sandia Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	87.6	mg/L	0.2	0.07	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	2.64	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	13.8	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	24.6	mg/L	0.2	0.07	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	510	mg/L	1	0.35	GW
West Sandia Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	4150	ug/L	1000	400	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	2.17	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	17.9	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	5.13	ug/L	1	0.4	GW
West Sandia Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<5.00	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	2.95	ug/L	1	0.7	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	20.8	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	410	ug/L	50	20	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<5.00	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	237	mg/L	0.2	0.07	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.36	ug/L	1	0.4	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<5.00	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	2.8	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<5.00	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	162	ug/L	2	0.7	GW
West Sandia Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	83.4	mg/L	0.2	0.07	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<5.00	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	15.2	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	24.5	mg/L	0.2	0.07	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<25.0	ug/L	25	7.5	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<5.00	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	541	mg/L	1	0.35	GW
West Sandia Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3960	ug/L	10	4	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<5.00	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	17.8	ug/L	5	2	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	4.72	ug/L	1	0.4	GW
West Sandia Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.77	ug/L	1	0.7	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	21	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	358	ug/L	50	20	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	218	mg/L	0.4	0.14	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.02	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.21	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	64.7	ug/L	50	20	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	169	ug/L	2	0.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
West Sandia Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	79.1	mg/L	0.2	0.07	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	11.7	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	16.1	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	23.5	mg/L	0.2	0.07	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	6.62	ug/L	5	1.5	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	486	mg/L	0.4	0.14	GW
West Sandia Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3700	ug/L	10	4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	2.47	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	22.3	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	4.68	ug/L	1	0.4	GW
West Sandia Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	<5.00	ug/L	5	1.5	GW
West Sandia Springs	6/26/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	23.5	mg/L	2.5	1	GW
West Sandia Springs	12/12/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	17.7	mg/L	0.5	0.2	GW
West Sandia Springs	3/6/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	30.6	mg/L	1	0.4	GW
West Sandia Springs	6/12/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	31.4	mg/L	1	0.4	GW
West Sandia Springs	9/18/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	30.6	mg/L	1	0.4	GW
West Sandia Springs	12/11/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	29.4	mg/L	1	0.4	GW
West Sandia Springs	6/26/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.935	mg/L	0.02	0.008	GW
West Sandia Springs	6/26/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.0469	mg/L	0.02	0.008	GW
West Sandia Springs	12/12/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.804	mg/L	0.02	0.008	GW
West Sandia Springs	12/12/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
West Sandia Springs	3/6/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	1.06	mg/L	0.02	0.008	GW
West Sandia Springs	3/6/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
West Sandia Springs	6/12/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.838	mg/L	0.02	0.008	GW
West Sandia Springs	6/12/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
West Sandia Springs	9/18/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.578	mg/L	0.02	0.008	GW
West Sandia Springs	9/18/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
West Sandia Springs	12/11/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.928	mg/L	0.02	0.008	GW
West Sandia Springs	12/11/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.0435	mg/L	0.02	0.008	GW

Table C3. Phantom Lake Springs Water Quality Data

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/28/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	231	mg/L	0	0	GW
Phantom Cave Springs	6/28/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	6/28/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	6/28/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	6/28/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	231	mg/L	20	20	GW
Phantom Cave Springs	12/13/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	216	mg/L	0	0	GW
Phantom Cave Springs	12/13/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	12/13/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	12/13/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	12/13/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	216	mg/L	20	20	GW
Phantom Cave Springs	2/28/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	222	mg/L	0	0	GW
Phantom Cave Springs	2/28/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	2/28/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	2/28/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	2/28/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	222	mg/L	20	20	GW
Phantom Cave Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	230	mg/L	0	0	GW
Phantom Cave Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	230	mg/L	20	20	GW
Phantom Cave Springs	12/12/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	229	mg/L	0	0	GW
Phantom Cave Springs	12/12/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	12/12/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	12/12/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
Phantom Cave Springs	12/12/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	229	mg/L	20	20	GW
Phantom Cave Springs	6/28/2017	E300.0, Anions	Anions	Bromide Dissolved	0.481	mg/L	0.2	0.08	GW
Phantom Cave Springs	6/28/2017	E300.0, Anions	Anions	Chloride Dissolved	627	mg/L	25	10	GW
Phantom Cave Springs	6/28/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.68	mg/L	0.25	0.1	GW
Phantom Cave Springs	6/28/2017	E300.0, Anions	Anions	Sulfate Dissolved	645	mg/L	25	10	GW
Phantom Cave Springs	12/13/2017	E300.0, Anions	Anions	Bromide Dissolved	0.493	mg/L	0.2	0.08	GW
Phantom Cave Springs	12/13/2017	E300.0, Anions	Anions	Chloride Dissolved	674	mg/L	25	10	GW
Phantom Cave Springs	12/13/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.44	mg/L	0.25	0.1	GW
Phantom Cave Springs	12/13/2017	E300.0, Anions	Anions	Sulfate Dissolved	705	mg/L	25	10	GW
Phantom Cave Springs	2/28/2018	E300.0, Anions	Anions	Bromide Dissolved	0.515	mg/L	0.2	0.08	GW
Phantom Cave Springs	2/28/2018	E300.0, Anions	Anions	Chloride Dissolved	695	mg/L	10	4	GW
Phantom Cave Springs	2/28/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.84	mg/L	0.1	0.04	GW
Phantom Cave Springs	2/28/2018	E300.0, Anions	Anions	Sulfate Dissolved	728	mg/L	10	4	GW
Phantom Cave Springs	6/12/2018	E300.0, Anions	Anions	Bromide Dissolved	0.563	mg/L	0.2	0.08	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/12/2018	E300.0, Anions	Anions	Chloride Dissolved	630	mg/L	25	10	GW
Phantom Cave Springs	6/12/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.71	mg/L	0.25	0.1	GW
Phantom Cave Springs	6/12/2018	E300.0, Anions	Anions	Sulfate Dissolved	654	mg/L	25	10	GW
Phantom Cave Springs	12/12/2018	E300.0, Anions	Anions	Bromide Dissolved	0.665	mg/L	0.5	0.2	GW
Phantom Cave Springs	12/12/2018	E300.0, Anions	Anions	Chloride Dissolved	668	mg/L	25	10	GW
Phantom Cave Springs	12/12/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.15	mg/L	0.25	0.1	GW
Phantom Cave Springs	12/12/2018	E300.0, Anions	Anions	Sulfate Dissolved	707	mg/L	25	10	GW
Phantom Cave Springs	6/28/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	0.7	%			GW
Phantom Cave Springs	12/13/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	2.53	%			GW
Phantom Cave Springs	2/28/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	1.48	%			GW
Phantom Cave Springs	6/12/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	0.18	%			GW
Phantom Cave Springs	12/12/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	5.05	%			GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.21	ug/L	1	0.7	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	18	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	358	ug/L	50	20	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/28/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	182	mg/L	0.2	0.07	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.22	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	153	ug/L	2	0.7	GW
Phantom Cave Springs	6/28/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	80.8	mg/L	0.2	0.07	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	1.43	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11.2	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	20.9	mg/L	0.2	0.07	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	437	mg/L	0.4	0.14	GW
Phantom Cave Springs	6/28/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3410	ug/L	10	4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	1	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.97	ug/L	1	0.4	GW
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	1.83	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/28/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	9.57	ug/L	5	1.5	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.19	ug/L	1	0.7	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	18.3	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	273	ug/L	50	20	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	183	mg/L	0.2	0.07	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	144	ug/L	2	0.7	GW
Phantom Cave Springs	12/13/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	79.9	mg/L	0.2	0.07	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11.1	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	12/13/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	21.5	mg/L	0.2	0.07	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	456	mg/L	1	0.35	GW
Phantom Cave Springs	12/13/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3390	ug/L	10	4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	1.03	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	6.13	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	1.93	ug/L	1	0.4	GW
Phantom Cave Springs	12/13/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.96	ug/L	5	1.5	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.27	ug/L	1	0.7	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	19	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	337	ug/L	50	20	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	189	mg/L	0.2	0.07	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.74	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	159	ug/L	2	0.7	GW
Phantom Cave Springs	2/28/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	84.9	mg/L	0.2	0.07	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11.4	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	22	mg/L	0.2	0.07	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	485	mg/L	2	0.7	GW
Phantom Cave Springs	2/28/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3610	ug/L	10	4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	1.05	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	6.25	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.52	ug/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	8.33	ug/L	5	1.5	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.15	ug/L	1	0.7	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	18	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	363	ug/L	100	40	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	185	mg/L	0.2	0.07	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.27	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	132	ug/L	2	0.7	GW
Phantom Cave Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	82.1	mg/L	0.2	0.07	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	21.6	mg/L	0.2	0.07	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	445	mg/L	1	0.35	GW
Phantom Cave Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3450	ug/L	20	8	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.14	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2	ug/L	1	0.4	GW
Phantom Cave Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	5.75	ug/L	5	1.5	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	2.01	ug/L	1	0.7	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	19.2	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	299	ug/L	50	20	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	179	mg/L	0.2	0.07	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.12	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	154	ug/L	2	0.7	GW
Phantom Cave Springs	12/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	78.8	mg/L	0.2	0.07	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11.2	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	20.5	mg/L	0.2	0.07	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	427	mg/L	0.4	0.14	GW
Phantom Cave Springs	12/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3460	ug/L	10	4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	1.11	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	6.56	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	1.81	ug/L	1	0.4	GW
Phantom Cave Springs	12/12/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.42	ug/L	5	1.5	GW
Phantom Cave Springs	6/28/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	14	mg/L	2.5	1	GW
Phantom Cave Springs	12/13/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	32.6	mg/L	1	0.4	GW
Phantom Cave Springs	2/28/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	17.6	mg/L	0.5	0.2	GW
Phantom Cave Springs	6/12/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	18	mg/L	0.5	0.2	GW
Phantom Cave Springs	12/12/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	17	mg/L	0.5	0.2	GW
Phantom Cave Springs	6/28/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.161	mg/L	0.02	0.008	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
Phantom Cave Springs	6/28/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.0482	mg/L	0.02	0.008	GW
Phantom Cave Springs	12/13/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.174	mg/L	0.02	0.008	GW
Phantom Cave Springs	12/13/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
Phantom Cave Springs	2/28/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.249	mg/L	0.02	0.008	GW
Phantom Cave Springs	2/28/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
Phantom Cave Springs	6/12/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.139	mg/L	0.02	0.008	GW
Phantom Cave Springs	6/12/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.0406	mg/L	0.02	0.008	GW
Phantom Cave Springs	12/12/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.208	mg/L	0.02	0.008	GW
Phantom Cave Springs	12/12/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.0387	mg/L	0.02	0.008	GW

Table C4. San Solomon Springs Water Quality Data

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	236	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	232	mg/L	20	20	GW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	233	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	236	mg/L	20	20	SW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	232	mg/L	20	20	GW
San Solomon Springs	1/26/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	233	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	237	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	233	mg/L	20	20	GW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	234	mg/L	20	20	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	237	mg/L	20	20	SW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	233	mg/L	20	20	GW
San Solomon Springs	1/27/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	234	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	225	mg/L	20	20	GW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	225	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	224	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	GW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	<20.0	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	225	mg/L	20	20	GW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	225	mg/L	20	20	SW
San Solomon Springs	3/29/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	224	mg/L	20	20	SW
San Solomon Springs	6/27/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	230	mg/L	0	0	SW
San Solomon Springs	6/27/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	6/27/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	6/27/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	6/27/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	230	mg/L	20	20	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	220	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	220	mg/L	0	0	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	223	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	222	mg/L	0	0	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	220	mg/L	20	20	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	220	mg/L	20	20	SW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	223	mg/L	20	20	GW
San Solomon Springs	10/17/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	222	mg/L	20	20	SW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	212	mg/L	0	0	SW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	216	mg/L	0	0	GW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	8	mg/L	0	0	SW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	SW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	4	mg/L	0	0	SW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	220	mg/L	20	20	SW
San Solomon Springs	12/12/2017	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	216	mg/L	20	20	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	225	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	226	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	225	mg/L	20	20	GW
San Solomon Springs	3/6/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	226	mg/L	20	20	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	232	mg/L	0	0	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	232	mg/L	0	0	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	232	mg/L	20	20	GW
San Solomon Springs	6/12/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	232	mg/L	20	20	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	225	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	226	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	225	mg/L	20	20	GW
San Solomon Springs	9/18/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	226	mg/L	20	20	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	227	mg/L	0	0	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Bicarbonate Alkalinity	225	mg/L	0	0	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Carbonate Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Hydroxide Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Phenolphthalein Alkalinity	0	mg/L	0	0	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	227	mg/L	20	20	GW
San Solomon Springs	12/11/2018	SM2320B, Alkalinity	Alkalinity	Total Alkalinity (CaCO3)	225	mg/L	20	20	GW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Bromide Dissolved	0.522	mg/L	0.5	0.2	SW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Chloride Dissolved	579	mg/L	25	10	SW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Chloride Dissolved	575	mg/L	25	10	GW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Chloride Dissolved	578	mg/L	25	10	SW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.56	mg/L	0.25	0.1	SW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.86	mg/L	0.25	0.1	GW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.86	mg/L	0.25	0.1	SW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Sulfate Dissolved	613	mg/L	25	10	SW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Sulfate Dissolved	592	mg/L	25	10	GW
San Solomon Springs	1/26/2017	E300.0, Anions	Anions	Sulfate Dissolved	597	mg/L	25	10	SW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Chloride Dissolved	579	mg/L	25	10	SW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Chloride Dissolved	565	mg/L	25	10	GW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Chloride Dissolved	535	mg/L	25	10	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.67	mg/L	0.25	0.1	SW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.88	mg/L	0.25	0.1	GW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.74	mg/L	0.25	0.1	SW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Sulfate Dissolved	607	mg/L	25	10	SW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Sulfate Dissolved	583	mg/L	25	10	GW
San Solomon Springs	1/27/2017	E300.0, Anions	Anions	Sulfate Dissolved	551	mg/L	25	10	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Bromide Dissolved	0.538	mg/L	0.5	0.2	GW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Bromide Dissolved	0.542	mg/L	0.5	0.2	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Chloride Dissolved	605	mg/L	25	10	GW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Chloride Dissolved	603	mg/L	25	10	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Chloride Dissolved	600	mg/L	25	10	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.5	mg/L	0.25	0.1	GW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.58	mg/L	0.25	0.1	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.54	mg/L	0.25	0.1	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Sulfate Dissolved	630	mg/L	25	10	GW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Sulfate Dissolved	627	mg/L	25	10	SW
San Solomon Springs	3/29/2017	E300.0, Anions	Anions	Sulfate Dissolved	624	mg/L	25	10	SW
San Solomon Springs	6/27/2017	E300.0, Anions	Anions	Bromide Dissolved	0.512	mg/L	0.5	0.2	SW
San Solomon Springs	6/27/2017	E300.0, Anions	Anions	Chloride Dissolved	626	mg/L	25	10	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.72	mg/L	0.25	0.1	SW
San Solomon Springs	6/27/2017	E300.0, Anions	Anions	Sulfate Dissolved	659	mg/L	25	10	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Bromide Dissolved	0.602	mg/L	0.5	0.2	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Bromide Dissolved	0.672	mg/L	0.5	0.2	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Bromide Dissolved	2.45	mg/L	0.5	0.2	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Bromide Dissolved	2.59	mg/L	0.5	0.2	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Chloride Dissolved	547	mg/L	25	10	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Chloride Dissolved	548	mg/L	25	10	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Chloride Dissolved	1230	mg/L	50	20	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Chloride Dissolved	1260	mg/L	50	20	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.94	mg/L	0.25	0.1	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Fluoride Dissolved	2.06	mg/L	0.25	0.1	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Fluoride Dissolved	8.31	mg/L	0.25	0.1	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Fluoride Dissolved	8.56	mg/L	0.25	0.1	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Sulfate Dissolved	596	mg/L	25	10	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Sulfate Dissolved	583	mg/L	25	10	SW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Sulfate Dissolved	1300	mg/L	50	20	GW
San Solomon Springs	10/17/2017	E300.0, Anions	Anions	Sulfate Dissolved	1330	mg/L	50	20	SW
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Bromide Dissolved	0.469	mg/L	0.2	0.08	SW
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Bromide Dissolved	0.454	mg/L	0.2	0.08	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Chloride Dissolved	614	mg/L	25	10	SW
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Chloride Dissolved	613	mg/L	25	10	GW
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.37	mg/L	0.25	0.1	SW
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Fluoride Dissolved	1.37	mg/L	0.25	0.1	GW
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Sulfate Dissolved	632	mg/L	25	10	SW
San Solomon Springs	12/12/2017	E300.0, Anions	Anions	Sulfate Dissolved	629	mg/L	25	10	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Chloride Dissolved	627	mg/L	25	10	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Chloride Dissolved	630	mg/L	25	10	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.85	mg/L	0.25	0.1	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.15	mg/L	0.25	0.1	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Sulfate Dissolved	646	mg/L	25	10	GW
San Solomon Springs	3/6/2018	E300.0, Anions	Anions	Sulfate Dissolved	650	mg/L	25	10	GW
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Bromide Dissolved	0.482	mg/L	0.2	0.08	GW
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Bromide Dissolved	0.544	mg/L	0.2	0.08	GW
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Chloride Dissolved	593	mg/L	25	10	GW
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Chloride Dissolved	554	mg/L	25	10	GW
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.09	mg/L	0.25	0.1	GW
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.61	mg/L	0.25	0.1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Sulfate Dissolved	615	mg/L	25	10	GW
San Solomon Springs	6/12/2018	E300.0, Anions	Anions	Sulfate Dissolved	573	mg/L	25	10	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Chloride Dissolved	505	mg/L	25	10	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Chloride Dissolved	519	mg/L	25	10	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.99	mg/L	0.25	0.1	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Fluoride Dissolved	1.96	mg/L	0.25	0.1	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Sulfate Dissolved	527	mg/L	25	10	GW
San Solomon Springs	9/18/2018	E300.0, Anions	Anions	Sulfate Dissolved	541	mg/L	25	10	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Bromide Dissolved	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Chloride Dissolved	647	mg/L	25	10	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Chloride Dissolved	651	mg/L	25	10	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.87	mg/L	0.25	0.1	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Fluoride Dissolved	2.87	mg/L	0.25	0.1	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Sulfate Dissolved	680	mg/L	25	10	GW
San Solomon Springs	12/11/2018	E300.0, Anions	Anions	Sulfate Dissolved	685	mg/L	25	10	GW
San Solomon Springs	1/26/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	1.99	%			GW
San Solomon Springs	1/26/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	2.8	%			SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	1.8	%			GW
San Solomon Springs	1/27/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	-0.44	%			SW
San Solomon Springs	3/29/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	1.67	%			GW
San Solomon Springs	3/29/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	2.93	%			SW
San Solomon Springs	10/17/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	0.56	%			GW
San Solomon Springs	10/17/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	-0.14	%			SW
San Solomon Springs	12/12/2017	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	3.82	%			SW
San Solomon Springs	3/6/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	2.62	%			GW
San Solomon Springs	6/12/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	-1.46	%			GW
San Solomon Springs	9/18/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	-3.86	%			GW
San Solomon Springs	12/11/2018	SM1030B Cation/Anion Balance	Cation/Anion Balance	Cation/Anion Balance	5.9	%			GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.21	ug/L	1	0.7	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.16	ug/L	1	0.7	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	20	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	19.8	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	218	ug/L	50	20	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	219	ug/L	50	20	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	170	mg/L	0.2	0.07	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	171	mg/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	3.04	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	2.74	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	5.02	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	4.82	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	143	ug/L	2	0.7	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	134	ug/L	2	0.7	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	68.9	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	69.2	mg/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	1/26/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.2	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.42	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.38	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	18	mg/L	0.2	0.07	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	18.3	mg/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	398	mg/L	0.2	0.07	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	389	mg/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3050	ug/L	10	4	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	2910	ug/L	10	4	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.81	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.64	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.7	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.59	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.16	ug/L	5	1.5	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.06	ug/L	5	1.5	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	10.7	ug/L	5	1.5	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.19	ug/L	1	0.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.38	ug/L	1	0.7	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	20	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	20	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	221	ug/L	50	20	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	233	ug/L	50	20	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	171	mg/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	171	mg/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	2.9	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	3.47	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	4.97	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	4.97	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	136	ug/L	2	0.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	139	ug/L	2	0.7	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	69.1	mg/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	68.9	mg/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	9.98	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	9.99	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.77	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.73	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	18.3	mg/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	18	mg/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	390	mg/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	388	mg/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	2940	ug/L	10	4	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3010	ug/L	10	4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.71	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.75	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.7	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.84	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.67	ug/L	5	1.5	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.23	ug/L	5	1.5	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.13	ug/L	1	0.7	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.1	ug/L	1	0.7	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	20	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	19.3	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	410	ug/L	50	20	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	412	ug/L	50	20	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	179	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	174	mg/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	2.78	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	2.52	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	3.65	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	3.03	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	131	ug/L	2	0.7	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	131	ug/L	2	0.7	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	73.2	mg/L	0.2	0.07	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	70.9	mg/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	3/29/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.3	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.3	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.24	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.54	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	19.6	mg/L	0.2	0.07	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	18.7	mg/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	417	mg/L	1	0.35	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	406	mg/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3230	ug/L	10	4	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3110	ug/L	10	4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	1.02	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	6.29	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.95	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.53	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.43	ug/L	1	0.4	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.2	ug/L	5	1.5	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.18	ug/L	5	1.5	SW
San Solomon Springs	6/27/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.48	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.54	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.13	ug/L	1	0.7	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	<1.00	ug/L	1	0.7	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	22	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	18.9	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	322	ug/L	50	20	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	299	ug/L	50	20	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	170	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	169	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	1.1	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	114	ug/L	2	0.7	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	97.5	ug/L	2	0.7	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	71.9	mg/L	0.2	0.07	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	72.2	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	10/17/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	8.83	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	2.16	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	2.12	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	18.3	mg/L	0.2	0.07	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	18.6	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	393	mg/L	0.2	0.07	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	398	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	2950	ug/L	10	4	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3010	ug/L	10	4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.54	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	4.85	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.37	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.11	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	6.32	ug/L	5	1.5	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	5.23	ug/L	5	1.5	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.14	ug/L	1	0.7	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	20	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	260	ug/L	50	20	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	176	mg/L	0.2	0.07	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	129	ug/L	2	0.7	SW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	73.4	mg/L	0.2	0.07	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.1	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Nickel Dissolved	1.57	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	19.8	mg/L	0.2	0.07	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	391	mg/L	0.2	0.07	SW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3140	ug/L	10	4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.88	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.18	ug/L	1	0.4	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	5.94	ug/L	5	1.5	SW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.46	ug/L	1	0.7	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	18.4	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	338	ug/L	50	20	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	179	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.59	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	141	ug/L	2	0.7	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	76.4	mg/L	0.2	0.07	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	3/6/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.2	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	20.3	mg/L	0.2	0.07	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	416	mg/L	1	0.35	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3520	ug/L	10	4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.66	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	1.89	ug/L	1	0.4	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	8.54	ug/L	5	1.5	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.02	ug/L	1	0.7	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	17.8	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	326	ug/L	100	40	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	179	mg/L	0.2	0.07	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	116	ug/L	2	0.7	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	76	mg/L	0.2	0.07	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	6/12/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	9	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	19.7	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	402	mg/L	1	0.35	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3210	ug/L	20	8	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.02	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	2.05	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	5.81	ug/L	5	1.5	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	2.63	ug/L	1	0.7	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	19.8	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	315	ug/L	50	20	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	185	mg/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	1.96	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	144	ug/L	2	0.7	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	77.1	mg/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E245.1 Mercury Water	Dissolved Metal	Mercury Dissolved	<0.200	ug/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	11.1	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	19.6	mg/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	387	mg/L	0.4	0.14	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3300	ug/L	10	4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	5.03	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	1.84	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	7.69	ug/L	5	1.5	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Aluminum Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Antimony Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Arsenic Dissolved	1.59	ug/L	1	0.7	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Barium Dissolved	19.3	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Beryllium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Boron Dissolved	281	ug/L	50	20	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Cadmium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Calcium Dissolved	172	mg/L	0.2	0.07	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Chromium Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Cobalt Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Copper Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Iron Dissolved	<50.0	ug/L	50	20	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Lead Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Lithium Dissolved	146	ug/L	2	0.7	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Magnesium Dissolved	73.9	mg/L	0.2	0.07	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Manganese Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Molybdenum Dissolved	10.8	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Potassium Dissolved	19.2	mg/L	0.2	0.07	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Selenium Dissolved	<5.00	ug/L	5	1.5	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Silver Dissolved	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Sodium Dissolved	408	mg/L	0.4	0.14	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Dissolved Metal	Strontium Dissolved	3260	ug/L	10	4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Thallium Dissolved	1.08	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Uranium Dissolved	6.26	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Vanadium Dissolved	1.85	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Dissolved Metal	Zinc Dissolved	8.46	ug/L	5	1.5	GW
San Solomon Springs	1/26/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	19.6	mg/L	0.5	0.2	GW
San Solomon Springs	1/26/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	21.2	mg/L	1	0.4	SW
San Solomon Springs	1/27/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	21.2	mg/L	1	0.4	GW
San Solomon Springs	1/27/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	21.2	mg/L	1	0.4	SW
San Solomon Springs	3/29/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	20	mg/L	1	0.4	GW
San Solomon Springs	3/29/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	19.8	mg/L	1	0.4	SW
San Solomon Springs	10/17/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	21.7	mg/L	1	0.4	GW
San Solomon Springs	10/17/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	19	mg/L	1	0.4	SW
San Solomon Springs	12/12/2017	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	20.8	mg/L	1	0.4	SW
San Solomon Springs	3/6/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	20.9	mg/L	1	0.4	GW
San Solomon Springs	6/12/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	21.1	mg/L	1	0.4	GW
San Solomon Springs	9/18/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	20.8	mg/L	1	0.4	GW
San Solomon Springs	12/11/2018	SM4500-SiO2-C, Silica	Dissolved Mineral	Silica, Dissolved	18.3	mg/L	0.5	0.2	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Pesticides	Atrazine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Pesticides	Atrazine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Pesticides	Atrazine	<5.13	ug/L	5.13	2.05	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Pesticides	Atrazine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Pesticides	Atrazine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Pesticides	Atrazine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Pesticides	Atrazine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Pesticides	Atrazine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Pesticides	Atrazine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Pesticides	Atrazine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	12/12/2017	SW-846 8270C	Pesticides	Atrazine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Pesticides	Atrazine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Pesticides	Atrazine	<0.05	ug/L	0.05	0.05	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	SW-846 8270C	Pesticides	Hexachlorobenzene	<5.00	ug/L	5	1	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Pesticides	Atrazine	<0.05	ug/L	0.05	0.0028	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Pesticides	Hexachlorobenzene	<0.500	ug/L	0.5	0.0152	GW
San Solomon Springs	1/26/2017	E2340B, Hardness	Routine Chem	Hardness	787	mg/L	1.32		GW
San Solomon Springs	1/26/2017	E2340B, Hardness	Routine Chem	Hardness	776	mg/L	1.32		SW
San Solomon Springs	1/26/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.364	mg/L	0.02	0.008	GW
San Solomon Springs	1/26/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.41	mg/L	0.02	0.008	SW
San Solomon Springs	1/26/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.383	mg/L	0.02	0.008	SW
San Solomon Springs	1/26/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	1/26/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	1/26/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	1.19	mg/L	0.2	0.08	GW
San Solomon Springs	1/26/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	1.3	mg/L	0.5	0.2	SW
San Solomon Springs	1/26/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	1/26/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	1/26/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	1/26/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2100	mg/L	125	125	GW
San Solomon Springs	1/26/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	1840	mg/L	125	125	SW
San Solomon Springs	1/26/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Inorganic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	1/26/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Inorganic Carbon	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	1/26/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	1/26/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<2.00	mg/L	2	2	GW
San Solomon Springs	1/26/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	1/26/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<2.00	mg/L	2	2	GW
San Solomon Springs	1/26/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	1/27/2017	E2340B, Hardness	Routine Chem	Hardness	804	mg/L	1.32		GW
San Solomon Springs	1/27/2017	E2340B, Hardness	Routine Chem	Hardness	782	mg/L	1.32		SW
San Solomon Springs	1/27/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.354	mg/L	0.02	0.008	GW
San Solomon Springs	1/27/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.331	mg/L	0.02	0.008	SW
San Solomon Springs	1/27/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.373	mg/L	0.02	0.008	SW
San Solomon Springs	1/27/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	1/27/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	1/27/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.279	mg/L	0.2	0.08	GW
San Solomon Springs	1/27/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.765	mg/L	0.1	0.04	SW
San Solomon Springs	1/27/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	1/27/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	1/27/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	1/27/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	1960	mg/L	25	25	GW
San Solomon Springs	1/27/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2180	mg/L	125	125	SW
San Solomon Springs	1/27/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Inorganic Carbon	<0.500	mg/L	0.5	0.2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Inorganic Carbon	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	1/27/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	1/27/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	1/27/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	1/27/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	1/27/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	1/27/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	3/29/2017	E2340B, Hardness	Routine Chem	Hardness	786	mg/L	1.32		GW
San Solomon Springs	3/29/2017	E2340B, Hardness	Routine Chem	Hardness	774	mg/L	1.32		SW
San Solomon Springs	3/29/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.361	mg/L	0.02	0.008	GW
San Solomon Springs	3/29/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.37	mg/L	0.02	0.008	SW
San Solomon Springs	3/29/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.274	mg/L	0.02	0.008	SW
San Solomon Springs	3/29/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	3/29/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	3/29/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.395	mg/L	0.2	0.08	GW
San Solomon Springs	3/29/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.201	mg/L	0.2	0.08	SW
San Solomon Springs	3/29/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.102	mg/L	0.02	0.008	GW
San Solomon Springs	3/29/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	3/29/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	3/29/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2160	mg/L	125	125	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2480	mg/L	125	125	SW
San Solomon Springs	3/29/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	3/29/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	3/29/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	3/29/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	3/29/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	3/29/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	6/27/2017	E2340B, Hardness	Routine Chem	Hardness	766	mg/L	1.32		GW
San Solomon Springs	6/27/2017	E2340B, Hardness	Routine Chem	Hardness	791	mg/L	1.32		SW
San Solomon Springs	6/27/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.19	mg/L	0.02	0.008	SW
San Solomon Springs	6/27/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	0.192	mg/L	0.02	0.008	GW
San Solomon Springs	6/27/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	0.054	mg/L	0.02	0.008	SW
San Solomon Springs	6/27/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	<0.200	mg/L	0.2	0.08	GW
San Solomon Springs	6/27/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	<0.200	mg/L	0.2	0.08	SW
San Solomon Springs	6/27/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.0391	mg/L	0.02	0.008	SW
San Solomon Springs	6/27/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	1980	mg/L	125	125	GW
San Solomon Springs	6/27/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2110	mg/L	125	125	SW
San Solomon Springs	6/27/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	0.507	mg/L	0.5	0.2	GW
San Solomon Springs	6/27/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	6/27/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	1.2	mg/L	1	1	SW
San Solomon Springs	6/27/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	6/27/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	10/17/2017	E2340B, Hardness	Routine Chem	Hardness	705	mg/L	1.32		GW
San Solomon Springs	10/17/2017	E2340B, Hardness	Routine Chem	Hardness	681	mg/L	1.32		SW
San Solomon Springs	10/17/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.406	mg/L	0.02	0.008	GW
San Solomon Springs	10/17/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.809	mg/L	0.02	0.008	SW
San Solomon Springs	10/17/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.404	mg/L	0.02	0.008	GW
San Solomon Springs	10/17/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.349	mg/L	0.02	0.008	SW
San Solomon Springs	10/17/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	0.044	mg/L	0.02	0.008	GW
San Solomon Springs	10/17/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	0.0936	mg/L	0.02	0.008	SW
San Solomon Springs	10/17/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.288	mg/L	0.1	0.04	GW
San Solomon Springs	10/17/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.2	mg/L	0.2	0.08	SW
San Solomon Springs	10/17/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	10/17/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	10/17/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	10/17/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	10/17/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	1820	mg/L	25	25	GW
San Solomon Springs	10/17/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	1850	mg/L	25	25	SW
San Solomon Springs	10/17/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	SW
San Solomon Springs	10/17/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	10/17/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	1	mg/L	1	1	SW
San Solomon Springs	10/17/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	10/17/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	SW
San Solomon Springs	12/12/2017	E2340B, Hardness	Routine Chem	Hardness	746	mg/L	1.32		GW
San Solomon Springs	12/12/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.304	mg/L	0.02	0.008	SW
San Solomon Springs	12/12/2017	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.353	mg/L	0.02	0.008	GW
San Solomon Springs	12/12/2017	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	12/12/2017	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.35	mg/L	0.2	0.08	GW
San Solomon Springs	12/12/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	SW
San Solomon Springs	12/12/2017	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	12/12/2017	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2140	mg/L	125	125	GW
San Solomon Springs	12/12/2017	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	12/12/2017	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	12/12/2017	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	3/6/2018	E2340B, Hardness	Routine Chem	Hardness	3650	mg/L	1.32		GW
San Solomon Springs	3/6/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.341	mg/L	0.02	0.008	GW
San Solomon Springs	3/6/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.352	mg/L	0.02	0.008	GW
San Solomon Springs	3/6/2018	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	0.0211	mg/L	0.02	0.008	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	0.361	mg/L	0.1	0.04	GW
San Solomon Springs	3/6/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	3/6/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	3/6/2018	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2000	mg/L	125	125	GW
San Solomon Springs	3/6/2018	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	3/6/2018	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	3/6/2018	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	6/12/2018	E2340B, Hardness	Routine Chem	Hardness	746	mg/L	1.32		GW
San Solomon Springs	6/12/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.255	mg/L	0.02	0.008	GW
San Solomon Springs	6/12/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.381	mg/L	0.02	0.008	GW
San Solomon Springs	6/12/2018	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	6/12/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	6/12/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	6/12/2018	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2120	mg/L	125	125	GW
San Solomon Springs	6/12/2018	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	9/18/2018	E2340B, Hardness	Routine Chem	Hardness	764	mg/L	1.32		GW
San Solomon Springs	9/18/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite	0.3	mg/L	0.05	0.02	GW
San Solomon Springs	9/18/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.234	mg/L	0.02	0.008	GW
San Solomon Springs	9/18/2018	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	9/18/2018	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	<0.200	mg/L	0.2	0.16	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	9/18/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	9/18/2018	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2120	mg/L	125	125	GW
San Solomon Springs	9/18/2018	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	9/18/2018	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	9/18/2018	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	12/11/2018	E2340B, Hardness	Routine Chem	Hardness	797	mg/L	1.32		GW
San Solomon Springs	12/11/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite	0.32	mg/L	0.05	0.02	GW
San Solomon Springs	12/11/2018	SM4500-NO3-H, Nitrate/Nitrite	Routine Chem	Nitrate/Nitrite Dissolved	0.239	mg/L	0.02	0.008	GW
San Solomon Springs	12/11/2018	E350.1 NH3-N by SemiAuto Col	Routine Chem	Nitrogen, Ammonia (as N)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	12/11/2018	E351.2 TKN by SemiAuto Col	Routine Chem	Nitrogen, Kjeldahl, Total	<0.200	mg/L	0.2	0.16	GW
San Solomon Springs	12/11/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	0.0402	mg/L	0.02	0.008	GW
San Solomon Springs	12/11/2018	E365.4 Phosphorus, Total	Routine Chem	Phosphorus, Dissolved (As P)	<0.0200	mg/L	0.02	0.008	GW
San Solomon Springs	12/11/2018	SM2540C, TDS	Routine Chem	Total Dissolved Solids(TDS)	2100	mg/L	125	125	GW
San Solomon Springs	12/11/2018	SM5310C, Total Organic Carbon	Routine Chem	Total Organic Carbon	<0.500	mg/L	0.5	0.2	GW
San Solomon Springs	12/11/2018	SM2540D, TSS	Routine Chem	Total Suspended Solids	<1	mg/L	1	1	GW
San Solomon Springs	12/11/2018	E160.4 Ignition at 550C	Routine Chem	Volatile Suspended Solids	<1.00	mg/L	1	1	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.32	ug/L	5.32	2.13	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.6	ug/L	10.6	4.26	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<53.2	ug/L	53.2	21.3	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<49.9	ug/L	49.9	20	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.32	ug/L	5.32	2.13	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<53.2	ug/L	53.2	21.3	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<49.9	ug/L	49.9	20	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<4.99	ug/L	4.99	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<4.99	ug/L	4.99	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<53.2	ug/L	53.2	21.3	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<49.9	ug/L	49.9	20	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.6	ug/L	10.6	5.32	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<9.98	ug/L	9.98	4.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<4.99	ug/L	4.99	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<16.0	ug/L	16	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.0	ug/L	15	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<4.99	ug/L	4.99	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<21.3	ug/L	21.3	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.0	ug/L	20	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.6	ug/L	10.6	4.26	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<9.98	ug/L	9.98	3.99	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.32	ug/L	5.32	2.13	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.32	ug/L	5.32	2.13	GW
San Solomon Springs	1/26/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<4.99	ug/L	4.99	2	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.3	ug/L	10.3	4.1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.13	ug/L	5.13	2.05	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<51.3	ug/L	51.3	20.5	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<49.8	ug/L	49.8	19.9	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.13	ug/L	5.13	2.05	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<51.3	ug/L	51.3	20.5	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<49.8	ug/L	49.8	19.9	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.13	ug/L	5.13	2.05	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<4.98	ug/L	4.98	1.99	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<51.3	ug/L	51.3	20.5	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<49.8	ug/L	49.8	19.9	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.3	ug/L	10.3	5.13	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<9.95	ug/L	9.95	4.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	9.01	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.4	ug/L	15.4	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<14.9	ug/L	14.9	3.98	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<4.98	ug/L	4.98	1.99	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadien e	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadien e	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<4.98	ug/L	4.98	1.99	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.5	ug/L	20.5	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<19.9	ug/L	19.9	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.3	ug/L	10.3	4.1	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<9.95	ug/L	9.95	3.98	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.13	ug/L	5.13	2.05	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.13	ug/L	5.13	2.05	GW
San Solomon Springs	1/27/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<4.98	ug/L	4.98	1.99	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.26	ug/L	5.26	2.11	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.26	ug/L	5.26	2.11	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<52.6	ug/L	52.6	21.1	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<50.9	ug/L	50.9	20.3	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.26	ug/L	5.26	2.11	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<52.6	ug/L	52.6	21.1	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<50.9	ug/L	50.9	20.3	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.26	ug/L	5.26	2.11	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.09	ug/L	5.09	2.03	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<52.6	ug/L	52.6	21.1	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<50.9	ug/L	50.9	20.3	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.5	ug/L	10.5	5.26	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.2	ug/L	10.2	5.09	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.8	ug/L	15.8	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.3	ug/L	15.3	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.09	ug/L	5.09	2.03	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.09	ug/L	5.09	2.03	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<21.1	ug/L	21.1	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.3	ug/L	20.3	4.07	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.5	ug/L	10.5	4.21	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.2	ug/L	10.2	4.07	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.26	ug/L	5.26	2.11	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.26	ug/L	5.26	2.11	GW
San Solomon Springs	3/29/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.09	ug/L	5.09	2.03	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<4.85	ug/L	4.85	1.94	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.03	ug/L	5.03	2.01	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<50.3	ug/L	50.3	20.1	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<48.5	ug/L	48.5	19.4	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.03	ug/L	5.03	2.01	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<50.3	ug/L	50.3	20.1	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<48.5	ug/L	48.5	19.4	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.03	ug/L	5.03	2.01	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<4.85	ug/L	4.85	1.94	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<50.3	ug/L	50.3	20.1	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<48.5	ug/L	48.5	19.4	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.1	ug/L	10.1	5.03	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<9.71	ug/L	9.71	4.85	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<4.85	ug/L	4.85	1.94	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	7.19	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.1	ug/L	15.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<14.6	ug/L	14.6	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<4.85	ug/L	4.85	1.94	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadien e	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadien e	<9.71	ug/L	9.71	3.88	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.1	ug/L	20.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<19.4	ug/L	19.4	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<4.85	ug/L	4.85	1.94	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.1	ug/L	10.1	4.02	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<9.71	ug/L	9.71	3.88	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.03	ug/L	5.03	2.01	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.03	ug/L	5.03	2.01	GW
San Solomon Springs	6/27/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<4.85	ug/L	4.85	1.94	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<50.0	ug/L	50	20	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<51.5	ug/L	51.5	20.6	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<50.0	ug/L	50	20	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<51.5	ug/L	51.5	20.6	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.15	ug/L	5.15	2.06	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<50.0	ug/L	50	20	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<51.5	ug/L	51.5	20.6	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.0	ug/L	10	5	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.3	ug/L	10.3	5.15	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.15	ug/L	5.15	2.06	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.0	ug/L	15	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.5	ug/L	15.5	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.15	ug/L	5.15	2.06	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.15	ug/L	5.15	2.06	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.0	ug/L	20	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.6	ug/L	20.6	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.15	ug/L	5.15	2.06	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.3	ug/L	10.3	4.12	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.15	ug/L	5.15	2.06	SW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.05	ug/L	5.05	2.02	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<50.5	ug/L	50.5	20.2	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<50.5	ug/L	50.5	20.2	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.05	ug/L	5.05	2.02	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Aniline	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<50.5	ug/L	50.5	20.2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.1	ug/L	10.1	5.05	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Cresols	<15.2	ug/L	15.2	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.05	ug/L	5.05	2.02	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.2	ug/L	20.2	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.1	ug/L	10.1	4.04	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.05	ug/L	5.05	2.02	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Phenol	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	12/12/2017	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.05	ug/L	5.05	2.02	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1&2-Chloronaphthalene	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1,2,4,5-Tetrachlorobenzene	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	1-Naphthylamine	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,3,4,6-Tetrachlorophenol	<5.21	ug/L	5.21	2.08	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,6-Dichlorophenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2-Naphthylamine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2-Nitroaniline	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	2-Picoline	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	3-Methylcholanthrene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	3-Nitroaniline	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<52.1	ug/L	52.1	20.8	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4-Aminobiphenyl	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<5.21	ug/L	5.21	2.08	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4-Chloroaniline	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4-Nitroaniline	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Acetophenone	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Aniline	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Anthracene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Benzidine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Benzoic acid	<52.1	ug/L	52.1	20.8	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Benzyl alcohol	<10.4	ug/L	10.4	5.21	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<5.21	ug/L	5.21	2.08	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Carbazole	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Chrysene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Cresols	<15.6	ug/L	15.6	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Dibenzofuran	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Ethyl methanesulfonate	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Fluorene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadien e	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Isophorone	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	m,p-Cresol	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Methyl methanesulfonate	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Naphthalene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Semi Volatile Organics	Naphthalene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<5.21	ug/L	5.21	2.08	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiethylamine	<20.8	ug/L	20.8	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosopiperidine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	p-(Dimethylamino)azobenzene	<10.4	ug/L	10.4	4.17	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Phenacetin	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Phenol	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Pronamide	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Pyrene	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	3/6/2018	SW-846 8270C	Semi Volatile Organics	Pyridine	<5.21	ug/L	5.21	2.08	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<10	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<1.00	ug/L	1	1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2-Chloronaphthalene	<10	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	3&4 Methylphenol (m&p-Cresol)	0	ug/L			GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<5	ug/L	5	1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<50.0	ug/L	50	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<10	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Anthracene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Benzidine	<40	ug/L	40	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<10.0	ug/L	10	1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<0.1	ug/L	0.1	0.1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Carbazole	<20.0	ug/L	20	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Chrysene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Cresols	<20.0	ug/L	20	0	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<10.0	ug/L	10	0	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Fluorene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadien e	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Isophorone	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Naphthalene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Semi Volatile Organics	Naphthalene	<1.00	ug/L	1	1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<10	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<10	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<10	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<20.0	ug/L	20	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5	ug/L	5	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Phenol	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Pyrene	<0.0500	ug/L	0.05	0.05	GW
San Solomon Springs	9/18/2018	SW-846 8270C	Semi Volatile Organics	Pyridine	<10.0	ug/L	10	1	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	1,2 Diphenylhydrazine	<0.1	ug/L	0.1	0.010 72	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	1,2,4-Trichlorobenzene	<10.0	ug/L	10	0.937	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Semi Volatile Organics	1,2,4-Trichlorobenzene	<1.00	ug/L	1	0.256	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	1,2-Dichlorobenzene	<10.0	ug/L	10	0.947	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Semi Volatile Organics	1,2-Dichlorobenzene	<1.00	ug/L	1	0.114	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	1,3-Dichlorobenzene	<10.0	ug/L	10	1.07	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Semi Volatile Organics	1,3-Dichlorobenzene	<1.00	ug/L	1	0.141	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	1,4-Dichlorobenzene	<10.0	ug/L	10	1.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	SW-846 8260B	Semi Volatile Organics	1,4-Dichlorobenzene	<1.00	ug/L	1	0.195	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2,4,5-Trichlorophenol	<10.0	ug/L	10	1.43	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2,4,6-Trichlorophenol	<0.200	ug/L	0.2	0.0196	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dichlorophenol	<10.0	ug/L	10	1.44	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dimethylphenol	<0.100	ug/L	0.1	0.018	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrophenol	<10.0	ug/L	10	2.12	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2,4-Dinitrotoluene	<0.100	ug/L	0.1	0.0281	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2,6-Dinitrotoluene	<10.0	ug/L	10	1.31	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2-Chloronaphthalene	<10	ug/L	10	0.5965	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2-Chlorophenol	<10.0	ug/L	10	1.12	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2-Methylnaphthalene	<10.0	ug/L	10	1.56	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2-Methylphenol (o-Cresol)	<10.0	ug/L	10	0.863	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	2-Nitrophenol	<10.0	ug/L	10	1.25	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	3&4 Methylphenol (m&p-Cresol)	<10.0	ug/L	10	1.99	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	3,3'-Dichlorobenzidine	<0.1	ug/L	0.1	0.01855	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	4,6-Dinitro-2-methylphenol	<10.0	ug/L	10	1.62	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	4-Bromophenyl phenyl ether	<10.0	ug/L	10	0.949	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	4-Chloro-3-methylphenol	<10.0	ug/L	10	1.47	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	4-Chlorophenyl phenyl ether	<10.0	ug/L	10	0.697	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	4-Nitrophenol	<0.200	ug/L	0.2	0.0486	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	7,12-Dimethylbenz[a]anthracene	<0.05	ug/L	0.05	0.00769	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Acenaphthene	<0.0500	ug/L	0.05	0.0144	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Acenaphthylene	<10.0	ug/L	10	0.718	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Anthracene	<0.0500	ug/L	0.05	0.0113	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Benzidine	<0.05	ug/L	0.05	0.01479	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Benzo(a)anthracene	<0.0500	ug/L	0.05	0.00729	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Benzo(a)pyrene	<0.0500	ug/L	0.05	0.00853	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Benzo(b)fluoranthene	<0.0500	ug/L	0.05	0.0104	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Benzo(g,h,i)perylene	<0.0500	ug/L	0.05	0.00776	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Benzo(k)fluoranthene	<0.0500	ug/L	0.05	0.00789	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethoxy)methane	<10.0	ug/L	10	1.13	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroethyl)ether	<0.0500	ug/L	0.05	0.0144	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Chloroisopropyl)ether	<10.0	ug/L	10	1.43	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Bis(2-Ethylhexyl)phthalate	<0.250	ug/L	0.25	0.0275	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Butyl benzyl phthalate	<0.500	ug/L	0.5	0.0426	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Carbaryl (Sevin)	<0.1	ug/L	0.1	0.01913	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Carbazole	<20.0	ug/L	20	0.767	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Chrysene	<0.0500	ug/L	0.05	0.0143	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Cresols	<20.0	ug/L	20	0	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Dibenz(a,h)anthracene	<0.0500	ug/L	0.05	0.0161	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Dibenz(a,j)acridine	<10.0	ug/L	10	0	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Diethyl phthalate	<0.500	ug/L	0.5	0.0307	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Dimethyl phthalate	<0.500	ug/L	0.5	0.00822	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Di-n-butyl phthalate	<0.500	ug/L	0.5	0.027	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Di-n-octyl phthalate	<10.0	ug/L	10	1.25	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Fluoranthene	<0.0500	ug/L	0.05	0.00583	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Fluorene	<0.0500	ug/L	0.05	0.0161	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Hexachlorobutadiene	<0.500	ug/L	0.5	0.0114	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Hexachlorocyclopentadiene	<10.0	ug/L	10	0.451	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Hexachloroethane	<10.0	ug/L	10	0.834	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Indeno(1,2,3-cd)pyrene	<0.0500	ug/L	0.05	0.0153	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Isophorone	<10.0	ug/L	10	1.81	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Naphthalene	<0.0500	ug/L	0.05	0.00789	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Semi Volatile Organics	Naphthalene	<1.00	ug/L	1	0.313	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Nitrobenzene	<0.100	ug/L	0.1	0.0219	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodimethylamine	<10.0	ug/L	10	1.3	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-butylamine	<10	ug/L	10	2.50551	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodi-n-propylamine	<10.0	ug/L	10	1.76	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	n-Nitrosodiphenylamine	<10	ug/L	10	0.92227	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Pentachlorobenzene	<10	ug/L	10	0.84607	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Pentachloronitrobenzene	<20.0	ug/L	20	2.08	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Pentachlorophenol	<5	ug/L	5	1.18171	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Phenanthrene	<0.0500	ug/L	0.05	0.00655	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Phenol	<0.200	ug/L	0.2	0.0202	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Pyrene	<0.0500	ug/L	0.05	0.00862	GW
San Solomon Springs	12/11/2018	SW-846 8270C	Semi Volatile Organics	Pyridine	<0.100	ug/L	0.1	0.00601	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	6.43	ug/L	5	4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	<5.00	ug/L	5	4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.21	ug/L	1	0.7	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.22	ug/L	1	0.7	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Barium Total	21	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Barium Total	18.7	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	471	ug/L	50	20	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	470	ug/L	50	20	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	188	mg/L	0.2	0.07	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	185	mg/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Copper Total	5.18	ug/L	1	0.7	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Copper Total	4.6	ug/L	1	0.7	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Lithium Total	146	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Lithium Total	125	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	77.3	mg/L	0.2	0.07	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	76.4	mg/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.4	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	9.22	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.45	ug/L	1	0.7	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.37	ug/L	1	0.7	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	20.2	mg/L	0.2	0.07	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	20.1	mg/L	0.2	0.07	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	434	mg/L	1	0.35	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	425	mg/L	1	0.35	SW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3290	ug/L	10	4	GW
San Solomon Springs	1/26/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3230	ug/L	10	4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Uranium Total	6.07	ug/L	1	0.4	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Uranium Total	5.43	ug/L	1	0.4	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	SW
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Zinc Total	7.28	ug/L	5	1.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	E200.8, ICP-MS	Total Metal	Zinc Total	6.55	ug/L	5	1.7	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	63.2	ug/L	5	4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	5.45	ug/L	5	4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.14	ug/L	1	0.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.21	ug/L	1	0.7	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Barium Total	21.9	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Barium Total	21.2	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	470	ug/L	50	20	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	488	ug/L	50	20	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	191	mg/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	187	mg/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Copper Total	5.24	ug/L	1	0.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Copper Total	5.19	ug/L	1	0.7	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Lithium Total	142	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Lithium Total	139	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	79.1	mg/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	76.5	mg/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Manganese Total	1.58	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.6	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.4	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.69	ug/L	1	0.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.59	ug/L	1	0.7	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	20.1	mg/L	0.2	0.07	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	19.4	mg/L	0.2	0.07	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	437	mg/L	1	0.35	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	421	mg/L	1	0.35	SW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3400	ug/L	10	4	GW
San Solomon Springs	1/27/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3290	ug/L	10	4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Thallium Total	1	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Uranium Total	6.09	ug/L	1	0.4	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Uranium Total	5.98	ug/L	1	0.4	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	SW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Zinc Total	8.04	ug/L	5	1.7	GW
San Solomon Springs	1/27/2017	E200.8, ICP-MS	Total Metal	Zinc Total	7.32	ug/L	5	1.7	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	5.06	ug/L	5	4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	<5.00	ug/L	5	4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	<1.00	ug/L	1	0.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.08	ug/L	1	0.7	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Barium Total	20	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Barium Total	19.4	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	105	ug/L	50	20	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	98.1	ug/L	50	20	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	187	mg/L	0.2	0.07	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	184	mg/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Lithium Total	141	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Lithium Total	134	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	77.5	mg/L	0.2	0.07	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	76.6	mg/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.2	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.1	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.6	ug/L	1	0.7	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.61	ug/L	1	0.7	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	27.4	mg/L	0.2	0.07	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	27.3	mg/L	0.2	0.07	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	423	mg/L	1	0.35	GW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	426	mg/L	1	0.35	SW
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3270	ug/L	10	4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3250	ug/L	10	4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Thallium Total	1.01	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Uranium Total	6.31	ug/L	1	0.4	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Uranium Total	6.13	ug/L	1	0.4	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	SW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Zinc Total	7.47	ug/L	5	1.7	GW
San Solomon Springs	3/29/2017	E200.8, ICP-MS	Total Metal	Zinc Total	7.29	ug/L	5	1.7	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	7.25	ug/L	5	4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	<5.00	ug/L	5	4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.17	ug/L	1	0.7	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.14	ug/L	1	0.7	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Barium Total	20.4	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Barium Total	20.9	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	318	ug/L	50	20	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	331	ug/L	50	20	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	181	mg/L	0.2	0.07	GW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	187	mg/L	0.2	0.07	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Lithium Total	154	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Lithium Total	154	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	76.1	mg/L	0.2	0.07	GW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	78.7	mg/L	0.2	0.07	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.9	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	11.9	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.91	ug/L	1	0.7	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Nickel Total	2.18	ug/L	1	0.7	SW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	20.5	mg/L	0.2	0.07	GW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	21.3	mg/L	0.2	0.07	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	429	mg/L	1	0.35	GW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	437	mg/L	1	0.35	SW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3300	ug/L	10	4	GW
San Solomon Springs	6/27/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3430	ug/L	10	4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Thallium Total	1.01	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Uranium Total	6.07	ug/L	1	0.4	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Uranium Total	6.27	ug/L	1	0.4	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	SW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Zinc Total	7.96	ug/L	5	1.7	GW
San Solomon Springs	6/27/2017	E200.8, ICP-MS	Total Metal	Zinc Total	7.75	ug/L	5	1.7	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	8.83	ug/L	5	4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	6.44	ug/L	5	4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.24	ug/L	1	0.7	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.19	ug/L	1	0.7	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Barium Total	22.8	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Barium Total	22.1	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	269	ug/L	50	20	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	260	ug/L	50	20	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	172	mg/L	0.2	0.07	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	166	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Lithium Total	115	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Lithium Total	113	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	66.7	mg/L	0.2	0.07	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	64.4	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.3	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.1	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Nickel Total	2.02	ug/L	1	0.7	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Nickel Total	2.09	ug/L	1	0.7	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	18.2	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	17.6	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	367	mg/L	0.2	0.07	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	358	mg/L	0.2	0.07	SW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	2910	ug/L	10	4	GW
San Solomon Springs	10/17/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	2850	ug/L	10	4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Uranium Total	5.74	ug/L	1	0.4	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Uranium Total	5.5	ug/L	1	0.4	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	SW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Zinc Total	6.51	ug/L	5	1.7	GW
San Solomon Springs	10/17/2017	E200.8, ICP-MS	Total Metal	Zinc Total	6.29	ug/L	5	1.7	SW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Aluminum Total	6.23	ug/L	5	4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Arsenic Total	1.04	ug/L	1	0.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Barium Total	19.4	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Total Metal	Boron Total	254	ug/L	50	20	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	177	mg/L	0.2	0.07	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Lithium Total	142	ug/L	10	4	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	73.9	mg/L	0.2	0.07	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Molybdenum Total	9.09	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Nickel Total	1.97	ug/L	1	0.7	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	20.1	mg/L	0.2	0.07	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	419	mg/L	1	0.35	GW
San Solomon Springs	12/12/2017	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3170	ug/L	10	4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Uranium Total	5.5	ug/L	1	0.4	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW
San Solomon Springs	12/12/2017	E200.8, ICP-MS	Total Metal	Zinc Total	5.59	ug/L	5	1.7	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Aluminum Total	25.9	ug/L	25	20	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Antimony Total	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Arsenic Total	5.76	ug/L	5	3.5	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Barium Total	96.3	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Beryllium Total	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Total Metal	Boron Total	1830	ug/L	250	100	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Cadmium Total	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	866	mg/L	1	0.35	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Chromium Total	<5.00	ug/L	5	3.5	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Cobalt Total	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Copper Total	8.31	ug/L	5	3.5	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<250	ug/L	250	100	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Lead Total	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Lithium Total	706	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	361	mg/L	1	0.35	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Manganese Total	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Molybdenum Total	51.7	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Nickel Total	13.6	ug/L	5	3.5	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	96.6	mg/L	1	0.35	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Selenium Total	<25.0	ug/L	25	7.5	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Silver Total	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	2170	mg/L	2	0.7	GW
San Solomon Springs	3/6/2018	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	15600	ug/L	50	20	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Thallium Total	5.8	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Uranium Total	28.5	ug/L	5	2	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Vanadium Total	12.9	ug/L	10	3.5	GW
San Solomon Springs	3/6/2018	E200.8, ICP-MS	Total Metal	Zinc Total	51.1	ug/L	25	8.5	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Aluminum Total	5.87	ug/L	5	4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Arsenic Total	1.54	ug/L	1	0.7	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Barium Total	19.5	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Total Metal	Boron Total	<5000	ug/L	5000	2000	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	176	mg/L	0.2	0.07	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Copper Total	1.47	ug/L	1	0.7	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Lithium Total	150	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	74.4	mg/L	0.2	0.07	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.4	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Nickel Total	3.49	ug/L	1	0.7	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	21.4	mg/L	0.2	0.07	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	446	mg/L	20	7	GW
San Solomon Springs	6/12/2018	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3580	ug/L	1000	400	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Thallium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Uranium Total	5.99	ug/L	1	0.4	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Vanadium Total	2.48	ug/L	2	0.7	GW
San Solomon Springs	6/12/2018	E200.8, ICP-MS	Total Metal	Zinc Total	9.41	ug/L	5	1.7	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Aluminum Total	7.02	ug/L	5	4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Arsenic Total	1.06	ug/L	1	0.7	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Barium Total	20.2	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Total Metal	Boron Total	307	ug/L	50	20	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	180	mg/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Lithium Total	148	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	76.7	mg/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Molybdenum Total	10.3	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Nickel Total	1.64	ug/L	1	0.7	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	20	mg/L	0.2	0.07	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	426	mg/L	0.4	0.14	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3330	ug/L	10	4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Thallium Total	1	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Uranium Total	6.27	ug/L	1	0.4	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW
San Solomon Springs	9/18/2018	E200.8, ICP-MS	Total Metal	Zinc Total	6.86	ug/L	5	1.7	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Aluminum Total	<5.00	ug/L	5	4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Antimony Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Arsenic Total	1.16	ug/L	1	0.7	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Barium Total	19.9	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Beryllium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Total Metal	Boron Total	288	ug/L	50	20	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Cadmium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Total Metal	Calcium Total	190	mg/L	0.2	0.07	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Chromium Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Cobalt Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Copper Total	<1.00	ug/L	1	0.7	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Total Metal	Iron Total	<50.0	ug/L	50	20	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Lead Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Lithium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Total Metal	Magnesium Total	78.2	mg/L	0.2	0.07	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Manganese Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Molybdenum Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Nickel Total	1.43	ug/L	1	0.7	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Total Metal	Potassium Total	20.7	mg/L	0.2	0.07	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Selenium Total	<5.00	ug/L	5	1.5	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Silver Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Total Metal	Sodium Total	424	mg/L	0.4	0.14	GW
San Solomon Springs	12/11/2018	E200.7 Metals, Trace Elements	Total Metal	Strontium Total	3400	ug/L	10	4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Thallium Total	1.15	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Uranium Total	<1.00	ug/L	1	0.4	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Vanadium Total	<2.00	ug/L	2	0.7	GW
San Solomon Springs	12/11/2018	E200.8, ICP-MS	Total Metal	Zinc Total	7.79	ug/L	5	1.7	GW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	>C12-C28	<5.01	mg/L	5.01	2	GW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	>C12-C28	<4.91	mg/L	4.91	1.97	SW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	>C28-C35	<5.01	mg/L	5.01	2	GW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	>C28-C35	<4.91	mg/L	4.91	1.97	SW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	C6-C12	<5.01	mg/L	5.01	2	GW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	C6-C12	<4.91	mg/L	4.91	1.97	SW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	1/26/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	>C12-C28	<4.86	mg/L	4.86	1.94	GW
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	>C12-C28	<4.92	mg/L	4.92	1.97	SW
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	>C28-C35	<4.86	mg/L	4.86	1.94	GW
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	>C28-C35	<4.92	mg/L	4.92	1.97	SW
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	C6-C12	<4.86	mg/L	4.86	1.94	GW
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	C6-C12	<4.92	mg/L	4.92	1.97	SW
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	1/27/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			SW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	>C12-C28	<4.88	mg/L	4.88	1.95	GW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	>C12-C28	<4.96	mg/L	4.96	1.98	SW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	>C28-C35	<4.88	mg/L	4.88	1.95	GW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	>C28-C35	<4.96	mg/L	4.96	1.98	SW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	C6-C12	<4.88	mg/L	4.88	1.95	GW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	C6-C12	<4.96	mg/L	4.96	1.98	SW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	3/29/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			SW
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	>C12-C28	<4.91	mg/L	4.91	1.96	GW
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	>C12-C28	<4.93	mg/L	4.93	1.97	SW
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	>C28-C35	<4.91	mg/L	4.91	1.96	GW
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	>C28-C35	<4.93	mg/L	4.93	1.97	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	C6-C12	<4.91	mg/L	4.91	1.96	GW
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	C6-C12	<4.93	mg/L	4.93	1.97	SW
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	6/27/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			SW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	>C12-C28	<4.67	mg/L	4.67	1.87	GW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	>C12-C28	<4.62	mg/L	4.62	1.85	SW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	>C28-C35	<4.67	mg/L	4.67	1.87	GW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	>C28-C35	<4.62	mg/L	4.62	1.85	SW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	C6-C12	<4.67	mg/L	4.67	1.87	GW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	C6-C12	<4.62	mg/L	4.62	1.85	SW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	10/17/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			SW
San Solomon Springs	12/12/2017	TX1005 TPH	TPH	>C12-C28	<4.58	mg/L	4.58	1.83	GW
San Solomon Springs	12/12/2017	TX1005 TPH	TPH	>C28-C35	<4.58	mg/L	4.58	1.83	GW
San Solomon Springs	12/12/2017	TX1005 TPH	TPH	C6-C12	<4.58	mg/L	4.58	1.83	GW
San Solomon Springs	12/12/2017	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	3/6/2018	TX1005 TPH	TPH	>C12-C28	<4.74	mg/L	4.74	1.9	GW
San Solomon Springs	3/6/2018	TX1005 TPH	TPH	>C28-C35	<4.74	mg/L	4.74	1.9	GW
San Solomon Springs	3/6/2018	TX1005 TPH	TPH	C6-C12	<4.74	mg/L	4.74	1.9	GW
San Solomon Springs	3/6/2018	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	TX1005 TPH	TPH	>C12-C28	<5.00	mg/L	5	0.1	GW
San Solomon Springs	9/18/2018	TX1005 TPH	TPH	>C28-C35	<5.00	mg/L	5	0.1	GW
San Solomon Springs	9/18/2018	TX1005 TPH	TPH	C6-C12	<5.00	mg/L	5	0.1	GW
San Solomon Springs	9/18/2018	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	12/11/2018	TX1005 TPH	TPH	>C12-C28	<5.00	mg/L	5	0.441	GW
San Solomon Springs	12/11/2018	TX1005 TPH	TPH	>C28-C35	<5.00	mg/L	5	0.441	GW
San Solomon Springs	12/11/2018	TX1005 TPH	TPH	C6-C12	<5.00	mg/L	5	0.163	GW
San Solomon Springs	12/11/2018	TX1005 TPH	TPH	C6-C35	<5.00	mg/L			GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	SW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	GW
San Solomon Springs	1/26/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	SW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	GW
San Solomon Springs	1/27/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	SW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	GW
San Solomon Springs	3/29/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	SW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	GW
San Solomon Springs	6/27/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	SW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	SW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	GW
San Solomon Springs	10/17/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	SW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	GW
San Solomon Springs	12/12/2017	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	0	ug/L			GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	0	ug/L			GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	2-Butanone	<20.0	ug/L	20	5	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	2-Hexanone	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Acetone	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Bromodichloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Bromoform	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Bromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Carbon disulfide	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Chlorobenzene	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Chloroethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Chloroform	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Chloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Dibromochloromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Dibromomethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Ethyl Benzene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	m,p-Xylene	<10.0	ug/L	10	4	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Methyl iodide	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Methylene chloride	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	o-Xylene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Tetrachloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Toluene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<5.00	ug/L	5	2	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Trichloroethene	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Vinyl acetate	<5.00	ug/L	5	2	GW
San Solomon Springs	3/6/2018	SW-846 8260B	Volatile Organics	Xylene (total)	<5.00	ug/L	5	5	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,2-Dichloroethene (Total)	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	1,3-Dichloropropylene (Total)	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	2-Butanone	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	2-Hexanone	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<2.00	ug/L	2	1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Acetone	<10.0	ug/L	10	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Benzene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Bromodichloromethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Bromoform	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Bromomethane	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Carbon disulfide	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Chlorobenzene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Chloroethane	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Chloroform	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Chloromethane	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Dibromochloromethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Dibromomethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Ethyl Benzene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	m,p-Xylene	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Methyl iodide	<2.00	ug/L	2	1	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Methylene chloride	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	o-Xylene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Tetrachloroethene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Toluene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Trichloroethene	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<1.00	ug/L	1	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Vinyl acetate	<2.00	ug/L	2	1	GW
San Solomon Springs	9/18/2018	SW-846 8260B	Volatile Organics	Xylene (total)	<2.00	ug/L	2	0	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,1,1-Trichloroethane	<1.00	ug/L	1	0.103	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,1,2,2-Tetrachloroethane	<1.00	ug/L	1	0.162	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,1,2-Trichloroethane	<1.00	ug/L	1	0.5	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,1-Dichloroethane	<1.00	ug/L	1	0.239	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,1-Dichloroethene	<1.00	ug/L	1	0.176	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,2,3-Trichlorobenzene	<1.00	ug/L	1	0.297	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,2,3-Trichloropropane	<1.00	ug/L	1	0.3	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,2-Dibromo-3-chloropropane	<2.00	ug/L	2	0.489	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,2-Dibromoethane	<1.00	ug/L	1	0.109	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,2-Dichloroethane	<1.00	ug/L	1	0.169	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	1,2-Dichloropropane	<1.00	ug/L	1	0.174	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	2-Butanone	<2.00	ug/L	2	0.349	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	2-Hexanone	<2.00	ug/L	2	0.484	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	4-Methyl-2-pentanone	<2.00	ug/L	2	0.482	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Acetone	<10.0	ug/L	10	2.13	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Benzene	<1.00	ug/L	1	0.195	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Bromodichloromethane	<1.00	ug/L	1	0.25	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Bromoform	<1.00	ug/L	1	0.189	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Bromomethane	<2.00	ug/L	2	0.46	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Carbon disulfide	<2.00	ug/L	2	0.331	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Carbon tetrachloride	<1.00	ug/L	1	0.184	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Chlorobenzene	<1.00	ug/L	1	0.142	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Chloroethane	<2.00	ug/L	2	0.351	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Chloroform	<1.00	ug/L	1	0.145	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Chloromethane	<2.00	ug/L	2	0.356	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	cis-1,2-Dichloroethene	<1.00	ug/L	1	0.142	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	cis-1,3-Dichloropropene	<1.00	ug/L	1	0.106	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Dibromochloromethane	<1.00	ug/L	1	0.248	GW

Sites	Date	EPA Test No.	Parameter Group	Analyte	Value	Units	PQL	MDL	Source
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Dibromomethane	<1.00	ug/L	1	0.175	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Dichlorodifluoromethane	<1.00	ug/L	1	0.267	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Ethyl Benzene	<1.00	ug/L	1	0.25	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Ethyl methacrylate	<1.00	ug/L	1	0.187	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	m,p-Xylene	<2.00	ug/L	2	0.169	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Methyl iodide	<2.00	ug/L	2	0.212	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Methylene chloride	<2.00	ug/L	2	0.431	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	o-Xylene	<1.00	ug/L	1	0.25	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	tert-Butyl methyl ether (MTBE)	<1.00	ug/L	1	0.277	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Tetrachloroethene	<1.00	ug/L	1	0.205	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Toluene	<1.00	ug/L	1	0.0887	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	trans-1,2-Dichloroethene	<1.00	ug/L	1	0.214	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	trans-1,3-Dichloropropene	<1.00	ug/L	1	0.0884	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	trans-1,4-Dichloro-2-butene	<1.00	ug/L	1	0.126	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Trichloroethene	<1.00	ug/L	1	0.127	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Trichlorofluoromethane	<1.00	ug/L	1	0.14	GW
San Solomon Springs	12/11/2018	SW-846 8260B	Volatile Organics	Vinyl acetate	<2.00	ug/L	2	0.229	GW

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PWD RP E0100-0869A (01/22)