



**BASELINE GROUNDWATER MONITORING REPORT
SANTA FE COUNTY JUDICIAL COMPLEX
327 SANDOVAL STREET
SANTA FE, NEW MEXICO**

PSTB FACILITY #: 53763

RELEASE ID #: 4597

WPID #: 4072

Prepared for:

New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

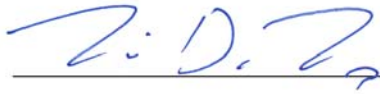
Prepared by:

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December 2019

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature: 

Name: Michael D. McVey, P.G., C.P.G.
Affiliation: EA Engineering, Science, and Technology, Inc., PBC
Title: Senior Hydrogeologist
Date: December 10, 2019

I. INTRODUCTION

EA Engineering, Science, and Technology, Inc., PBC (EA) is pleased to submit this Baseline Groundwater Monitoring Report for the Santa Fe County Judicial Complex (SFCJC) State Lead Site (the site) located at 327 Sandoval Street in Santa Fe, New Mexico (Figure 1). The work was completed under EA's Professional Services Contract number 19-667-3200-0007 and in accordance with applicable requirements of New Mexico Administrative Code, Title 20, Chapter 5, Part 119 and the *Work Plan for CRP Development, File Review, Baseline Groundwater Monitoring, In Situ Microcosm Study, Benzene Plume Delineation, FRP Development, and Discharge Permit, Santa Fe County Judicial Complex State Lead Site, 327 Sandoval Street, Santa Fe, New Mexico*, approved by the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) on June 27, 2019 under work plan identification (WPID) number 4072. All groundwater monitoring and field activities were conducted using EA standard operating procedures.

The properties which comprise the SFCJC State Lead Site include the SFCJC, the District Attorney Building, and several surrounding office and retail buildings (Figure 1). A number of corrective actions have been performed at the site since 2009, including (1) thermally enhanced soil vapor extraction (SVE), (2) ozone injection, (3) chemical oxidation using hydrogen peroxide, and (4) mobile dual-phase extraction (MDPE) followed by installation of Regenesis Oxygen Releasing Compound-Advanced (ORC-A) socks. These activities are discussed in more detail in Section II.

Groundwater monitoring has been ongoing at the site in conjunction with corrective action activities since the first baseline groundwater monitoring event was conducted in 2010. There are currently more than 60 wells associated with the site that have been installed by various stakeholders, including NMED and Santa Fe County.

Between September 23 and 25, 2019, EA conducted baseline groundwater monitoring at the site. Monitoring wells CMW-1, CMW-3R, CMW-4, MW-1R, MW-4R, MW-6, MW-11, MW-15, SFCMW-01, SFCMW-02, SFCMW-03, SFCMW-07, SFCMW-10, SVE-1, SVE-3, SVE-11D, TWN-2, TWN-3, TWS-1, and TWS-4 were gauged with an electronic interface probe. Groundwater samples were then collected from the same wells for laboratory analysis. Wells SFCMW-02 and SFCMW-03 were gauged and sampled on October 25, 2019 after it was determined that the original wells that were gauged and sampled in September 2019 were the wrong wells.

Groundwater samples were analyzed for volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, xylenes (BTEX), ethylene dichloride (EDC), methyl tertiary-butyl ether (MTBE), and total naphthalenes by U.S. Environmental Protection Agency (EPA) Method 8260B; for sulfate and nitrate by EPA Method 300.0, for sulfide by Standard Method (SM) 4500S2; and for dissolved iron and manganese by EPA Method 6010B. In addition, groundwater samples were analyzed from select monitoring wells for ethylene dibromide (EDB) by EPA Method 504.1 and methane by EPA Method RSK-175.

II. ACTIVITIES PERFORMED DURING THIS MONITORING EVENT

This section provides a brief summary of the previous remediation activities conducted at the site and a description of the activities performed during this baseline groundwater monitoring event.

A. Brief Description of Remediation System and Date Installed

Phase 1 and 2 corrective action activities were performed initially at the 210 & 218 Montezuma Avenue (Montezuma Avenue) underground storage tank (UST) site by the responsible party from 2003 until 2009. In 2009, the Montezuma Avenue site was included in a State Lead remediation procurement that included the former Capitol 66 UST site (Capitol 66), the SFCJC, and surrounding properties. The site was collectively referred to as the SFCJC.

Following award of the State Lead contract in 2009, three separate phases of SVE system operation were implemented at the site. Once contaminant concentration trends indicated that the effectiveness of SVE operations was decreasing, ozone injection was initiated to more aggressively address elevated dissolved-phase contaminant concentrations. Wells SVE-1, SVE-3, SVE-4 and SVE-6 were connected to an ozone generator in November 2012 for pilot testing. The unit was later purchased and operated until November 2013. The equipment was eventually dismantled in February 2015.

Additional treatment of dissolved-phase contamination included five hydrogen peroxide injection events conducted in September, October, and November 2013, and March and May 2014.

Three 48-hour MDPE events were conducted in three areas of the site between October 3 and 9, 2017. MDPE was focused on dissolved-phase “hot spots” in the vicinity of the Design Center (using MW-1R, MW-4R, and TWS-4 as extraction wells), Montezuma Avenue (using SFCMW-01, SFCMW-10, MW-6, and SVE-3 as extraction wells), and the West De Vargas Condominiums (using MW-11, MW-14, TWN-2 and TWN-3 as extraction wells). Results showed generally low hydrocarbon concentrations in soil vapor of 11 to 42 micrograms per liter (µg/L) of total petroleum hydrocarbons gasoline-range organics (TPH-GRO), and that the vadose zone soil was clean. A total of approximately 17,000 gallons of petroleum-contaminated groundwater were extracted and disposed of during the three MDPE events.

After completion, ORC-A socks were installed in each of the wells treated with MDPE except the two Santa Fe County wells (SFCMW-01 and SFCMW-10). Wells SVE-1 and SVE-5 had socks installed as substitutes for the Santa Fe County wells.

Groundwater monitoring has been ongoing at the site in conjunction with corrective action activities since the first baseline groundwater monitoring event in March 2010.

B. Description of Activities Performed to Keep System Operating Properly

The remediation system has not been operated since 2015 when it was permanently shut down. All remediation equipment has been decommissioned and removed from the site.

C. Monitoring Activities Performed

Fluid Level Gauging

Between September 23 and 25, 2019, monitoring wells CMW-1, CMW-3R, CMW-4, MW-1R, MW-4R, MW-6, MW-11, MW-15, SFCMW-01, SFCMW-02, SFCMW-03, SFCMW-07, SFCMW-10, SVE-1, SVE-3, SVE-11D, TWN-2, TWN-3, TWS-1, and TWS-4 were gauged with an electronic interface probe. Wells SFCMW-02 and SFCMW-03 were gauged and sampled on October 25, 2019 after it was determined that the original wells that were gauged and sampled in September 2019 were the wrong wells. Non-aqueous phase liquid (NAPL) was not observed in any of the site's wells. A summary of the current and historic groundwater gauging data collected from the monitoring well network is provided in Table 1.

Potentiometric surface elevations in wells on the west side of the groundwater divide along Cerrillos Road vary by only 0.66 foot; therefore, potentiometric surface contours were not added to the potentiometric surface map (Figure 2). Potentiometric surface elevations on the east side of the groundwater divide in former Capitol 66 wells CMW-1, CMW-3R and CMW-4 vary by 2.72 feet. Potentiometric surface contours were not added to Figure 2 on the east side of the divide due to the locations of the three gauged wells in generally a straight line. Potentiometric surface elevations for each of the gauged wells are shown on Figure 2.

Baseline Groundwater Sampling

To the extent possible, wells were sampled from historically clean to dirty to minimize the potential for cross-contamination. All equipment was decontaminated between wells with an Alconox™ solution. Field equipment was calibrated and/or checked against a standard in accordance with manufacturer's specifications prior to use.

Groundwater sampling was accomplished via hand-bailing for wells CMW-4, MW-6, MW-15, SFCMW-02, SFCMW-03, SFCMW-07, SVE-1, SVE-11D, and TWS-1. Sampling was accomplished via the low-flow sampling method for wells CMW-1, CMW-3R, MW-1R, MW-4R, MW-11, SFCMW-01, SFCMW-10, SVE-3, TWN-2, TWN-3, and TWS-4. A new, disposable polyethylene bailer was used at each hand-bailed well and new polyethylene tubing was used for groundwater collected via the low-flow method. Wells CMW-4, SFCMW-07, SVE-1, and TWS-1 bailed dry before being purged of at least three casing volumes prior to sampling; the remainder of hand-bailed wells were purged of at least three casing volumes prior to sampling. Purging of low flow sampled wells was generally completed when field parameters within the last three readings stabilized to within 10% as outlined in the work plan. Field parameters in wells MW-11, MW-1R, SFCMW-01, SFCMW-10, SVE-3, TWN-2, and TWN-3 stabilized prior to sample collection. Groundwater was collected from well CMW-1 after 20 minutes due to rapid drawdown of the well. Field parameters did not stabilize in wells CMW-3R or MW-4R; however, these wells were purged for one hour prior to sample collection with minimal groundwater drawdown indicating that a representative groundwater sample was collected. The water level in well TWS-4 dropped to below the pump after 10 minutes of purging, therefore water levels were not collected during purging of this well. However, this well was also purged for one hour prior to sample collection. Field parameters were recorded on the well sampling field forms provided in Appendix A and are summarized in Table 2. All purge

water generated during the sampling event was ground discharged to an impervious surface.

Groundwater sample analyses, preservation, holding times and handling are summarized in Table 3. VOC samples were collected such that no headspace existed in the sample vial, while the remainder of samples were collected to provide sufficient volume for the analytical laboratory. Samples were preserved in accordance with method requirements, then immediately cooled to less than 6°C with ice. Samples were delivered under chain-of-custody to the Hall Environmental Analysis Laboratory in Albuquerque, New Mexico to be analyzed for VOCs including BTEX, EDC, MTBE, and total naphthalenes using EPA Method 8260B; for sulfate and nitrate by EPA Method 300.0, for sulfide by SM 4500S2; and for dissolved iron and manganese by EPA Method 6010B. Groundwater was collected from select wells for ethylene dibromide (EDB) and methane analyses by EPA Methods 504.1 and RSK-175, respectively.

Groundwater Analytical Results

Volatile Organic Compounds (VOCs)

Concentrations of VOCs were below laboratory reporting limits (RLs) or New Mexico Water Quality Control Commission (NMWQCC) groundwater quality standards in wells CMW-3R, SFCMW-07, SVE-1, SVE-11D, and TWS-1 for all contaminants of concern (COCs). MTBE was not detected above laboratory RLs in any site well. Table 4 presents a summary of the VOC groundwater sample analytical results for the current monitoring event as well as prior monitoring events conducted at the site.

BTEX - Concentrations of benzene exceeded the 5 µg/L NMWQCC standard in groundwater collected from 7 wells [CMW-1 (150 µg/L), MW-1R (1,700 µg/L), MW-4R (1,800 µg/L), SFCMW-10 (83 µg/L), SVE-3 (20 µg/L), TWN-3 (29 µg/L), and TWS-4 (410 µg/L)]. Toluene concentrations exceeded the 1,000 µg/L standard in samples collected from 3 wells [MW-1R (6,200 µg/L), MW-4R (13,000 µg/L), and TWS-4 (1,600 µg/L)]. Ethylbenzene concentrations exceeded the 700 µg/L standard in samples collected from 3 wells [MW-1R (2,300 µg/L), MW-4R (1,300 µg/L), and TWS-4 (760 µg/L)]. Total xylene concentrations exceeded the standard of 620 µg/L in 4 wells [MW-1R (17,000 µg/L), MW-4R (9,200 µg/L), SVE-3 (1,500 µg/L), and TWS-4 (2,200 µg/L)].

EDB and EDC - EDB concentrations exceeded the 0.05 µg/L standard in samples collected from 7 wells [CMW-1 (0.25 µg/L), MW-1R (0.52 µg/L), MW-4R (2.2 µg/L), MW-11 (0.74 µg/L), TWN-2 (0.14 µg/L), TWN-3 (4.4 µg/L), and TWS-4 (0.056 µg/L)]. EDC concentrations exceeded the 5 µg/L standard in samples collected from 3 wells [MW-15 (26 µg/L), TWN-2 (6.3 µg/L), and TWS-4 (6.9 µg/L)].

Total Naphthalenes - Total naphthalene concentrations exceeded the 30 µg/L standard in samples collected from 11 wells [CMW-4 (82 µg/L), MW-4R (597 µg/L), MW-1R (1,210 µg/L), TWS-4 (308 µg/L), SVE-3 (730 µg/L), SFCMW-10 (3,010 µg/L), SFCMW-01 (490 µg/L), MW-6 (71 µg/L), SFCMW-02 (367 µg/L), SFCMW-03 (188 µg/L), and MW-11 (411 µg/L)].

Dissolved Metals, Anions and Methane

Dissolved iron was detected above the 1.0 milligram per liter (mg/L) standard in samples collected from 6 wells [CMW-1 (1.1 mg/L), CMW-4 (1.3 mg/L), MW-1R (15 mg/L), MW-6 (2.9 mg/L), SVE-3 (2.5 mg/L), and TWS-4 (2.6 mg/L)]. Dissolved manganese was detected above the 0.2 mg/L standard in all sampled wells except CMW-3R, SFCMW-03, and TWS-1. Concentrations in wells exceeding the dissolved manganese standard ranged from 0.42 mg/L in well TWN-3 to 31 mg/L in well MW-1R.

Sulfate was not detected above the 600 mg/L NMWQCC standard in any of the 20 sampled wells. Nitrate was detected at concentrations above the 10 mg/L standard in samples collected from 6 wells [CMW-1 (18 mg/L), CMW-3R (36 mg/L), CMW-4 (22 mg/L), SVE-11D (37 mg/L), TWN-3 (12 mg/L), and TWS-1 (23 mg/L)].

Methane was only detected above the laboratory RL in wells MW-1R (0.440 mg/L) and SFCMW-01 (0.0251 mg/L). There is no standard for methane.

Table 5 summarizes analytical results for dissolved metals, anions, and methane. The analytical laboratory report is included in Appendix B. The distribution of dissolved-phase hydrocarbons and dissolved iron and manganese for the current monitoring event are shown in Figures 3 and 4, respectively. Anions and methane results are posted on Figure 4.

D. System Performance and Effectiveness

The remediation system has not been operated since 2015 when it was permanently shut down. All remediation equipment has been decommissioned and removed from the site.

E. Statement Verifying Containment of Release

Four groundwater “hot spots” remain present at the site based on the current monitoring event. The “hot spots” are located in (1) the area of the former Capitol 66, (2) the area south of 210 & 218 Montezuma Avenue and between the Attorney General Complex and the Design Center, (3) the area east and southeast of the SFCJC parking garage, and (4) the west De Vargas Condominium Association parking lot north of the SFCJC and the District Attorney building (Figure 3).

III. SUMMARY AND CONCLUSIONS

This section summarizes the results, contains a brief discussion of site trends, and provides recommendations for future site activities.

A. Discussion of any Trends or Changes Noted in Analytical Results or Site Conditions

Since the last monitoring event in February 2019, groundwater elevations in wells on the west side of the groundwater divide have increased an average of 0.98 foot (Table 1), and groundwater continues to flow to the north-northwest at a shallow gradient of approximately 0.0006 foot per foot as determined between wells MW-4R and MW-15.

Potentiometric surface elevations on the east side of the groundwater divide in former Capitol 66 wells CMW-1, CMW-3R and CMW-4 have increased an average of 2.47 feet since the last monitoring event in February 2019 (Table 1). Potentiometric surface elevations on the east side of the groundwater divide are approximately 9 to 12 feet higher than the potentiometric surface elevations and west side of the groundwater divide.

Potentiometric surface elevations for each of the gauged wells are shown on Figure 2. A hydrograph for select site monitoring wells is provided in Appendix C.

VOCs

A discussion of trends in contaminant concentrations since the last monitoring event in February 2019 is presented below. Note that groundwater from wells SVE-11D, TWN-2, TWN-3, TWS-1, and TWS-4 was not collected in February 2019; these wells were last sampled in March 2014, except for well SVE-11D which was last sampled in December 2010. VOC groundwater analytical results from site wells are summarized in Table 4. Benzene and total naphthalene trends for select wells are included in Appendix D.

MTBE: MTBE was not detected above laboratory RLs in any sampled well during this monitoring event.

BTEX Constituents: BTEX constituents were not detected at concentrations above laboratory RLs or their respective standards in wells CMW-4, MW-6, MW-11, MW-15, SFCMW-01 through SFCMW-03, SFCMW-07, SVE-1, SVE-11D, TWN-2, or TWS-1. For wells with exceedances of the standards, concentrations increased in wells MW-1R, MW-4R, SFCMW-10, and SVE-3. BTEX concentrations decreased in wells CMW-1 and CMW-3R.

EDB and EDC: Concentrations of both EDB and EDC were not detected above laboratory RLs in wells CMW-3R, CMW-4, MW-6, SFCMW-01, SFCMW-02, SFCMW-03, SFCMW-10, SVE-1, SVE-3, SVE-11D, or TWS-1. Concentrations of EDB increased in wells CMW-1, MW-1R, and MW-4R, while decreasing in wells MW-11 and SFCMW-07. EDC concentrations decreased in wells CMW-1 and SFCMW-01 and increased in well MW-15.

Total Naphthalenes: As noted for other VOCs between the two most recent sampling events, concentrations of total naphthalenes in site wells both increased in wells CMW-4, MW-1R,

MW-4R, SFCMW-02, SFCMW-03, and SFCMW-10 and decreased in wells CMW-3R, MW-6, MW-11, SFCMW-01, SVE-1, and SVE-3. Total naphthalene concentrations were below laboratory RLs or NMWQCC standards in the remaining wells.

Dissolved Metals

Dissolved metal concentrations are shown in Table 5; historical data was not available for trend discussion.

B. Ongoing Assessment of Remediation System

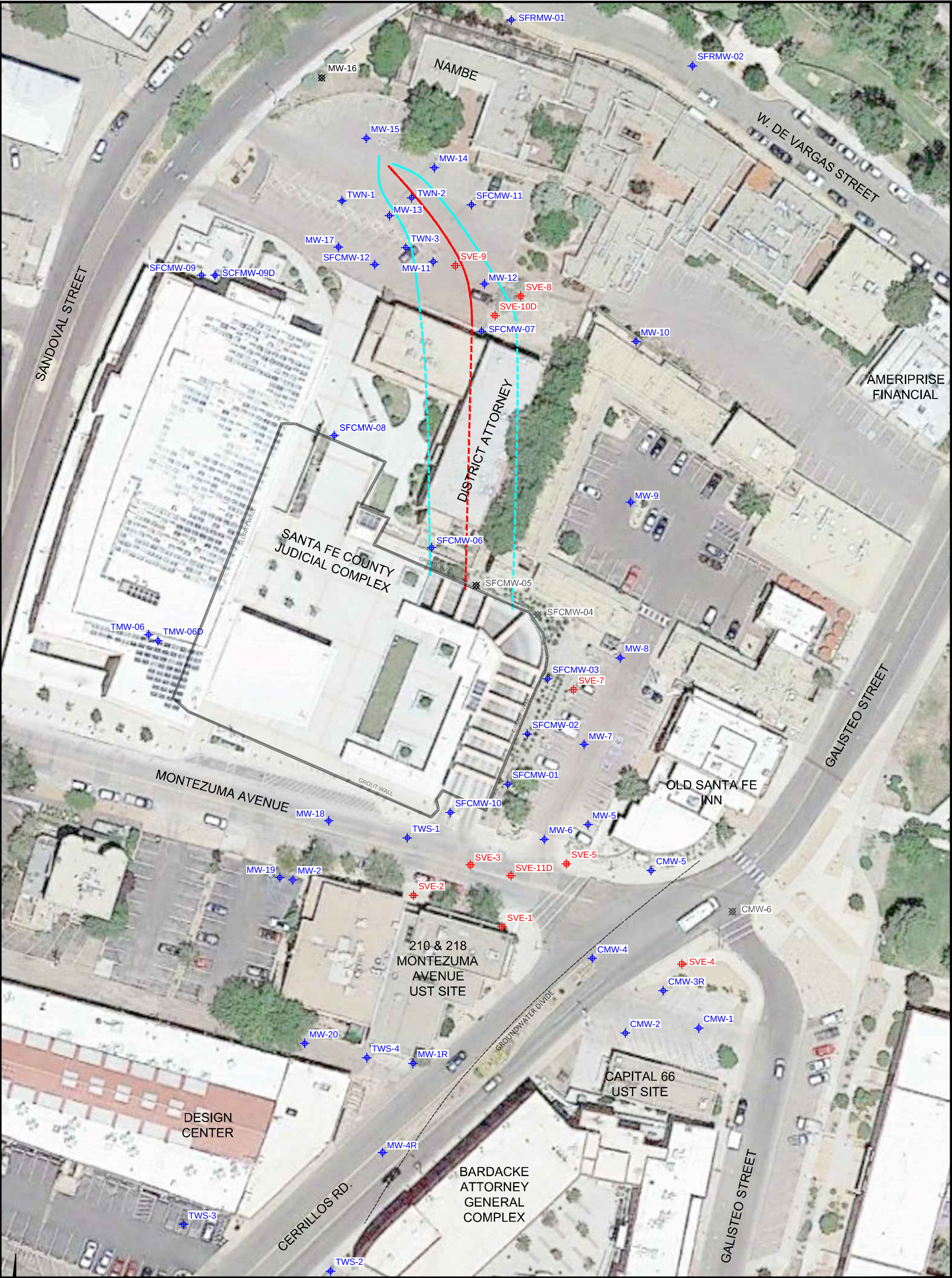
The remediation system has not been operated since 2015 when it was permanently shut down. All remediation equipment has been decommissioned and removed from the site.

C. Recommendations

Based on the results of the baseline groundwater monitoring event, EA recommends the following:

- Remediate the remaining four recalcitrant “hot spots” by injection of amendments below the water table.
- Continue groundwater monitoring in conjunction with remediation to track dissolved-phase contaminant concentrations in the four “hot spots.”

FIGURES

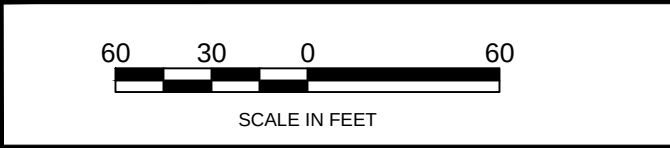




LEGEND:

- MONITORING WELL
- DESTROYED MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- HORIZONTAL SVE WALL
- HORIZONTAL HOT AIR INJECTION WELL

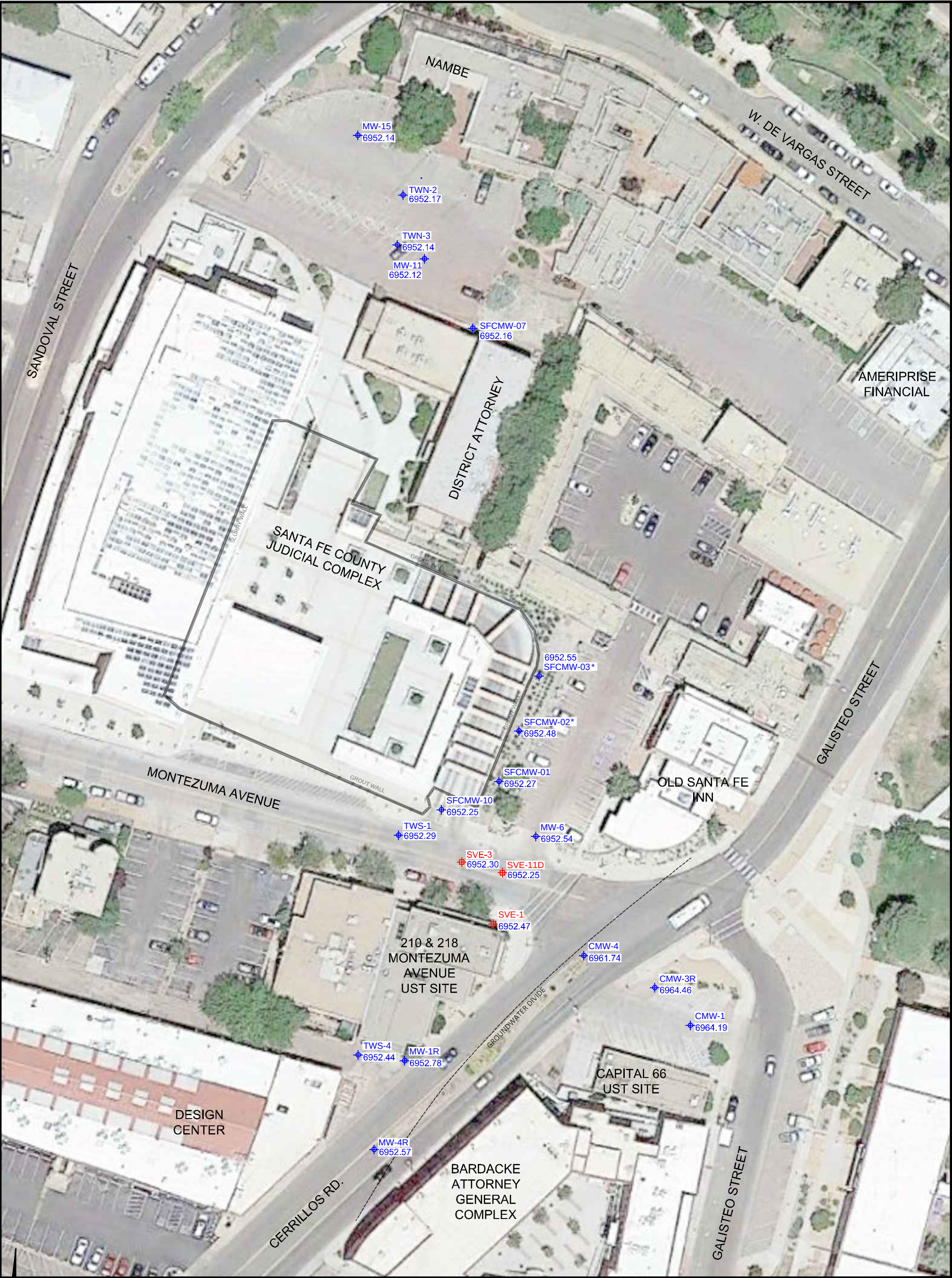
SOURCE: SOUDER, MILLER, & ASSOCIATES. 2018 AUGUST.



SANTA FE COUNTY JUDICIAL COMPLEX
SANTA FE, NEW MEXICO

FIGURE 1
SITE LAYOUT

PROJECT #:	6347002	PROJECT PHASE:	02	PROJECT MANAGER:	MM
		320 Gold Avenue, SW Suite 1300 Albuquerque, NM 87102 Phone: (505) 224-9013			
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC					



LEGEND:

- MONITORING WELL
- DESTROYED MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- GROUNDWATER CONTOUR, FEET AMSL

NOTES:

- * DATA COLLECTED IN OCTOBER
- 6952.30 POTENTIOMETRIC SURFACE ELEVATION IN FEET ABOVE MEAN SEA LEVEL (AMSL)

SOURCE: SOUDER, MILLER, & ASSOCIATES. 2018 AUGUST.

60

30

0

60

SCALE IN FEET

SANTA FE COUNTY JUDICIAL COMPLEX

SANTA FE, NEW MEXICO

FIGURE 2

POTENTIOMETRIC ELEVATION MAP

SEPTEMBER 2019

PROJECT #:

6347002

PROJECT PHASE:

02

PROJECT MANAGER:

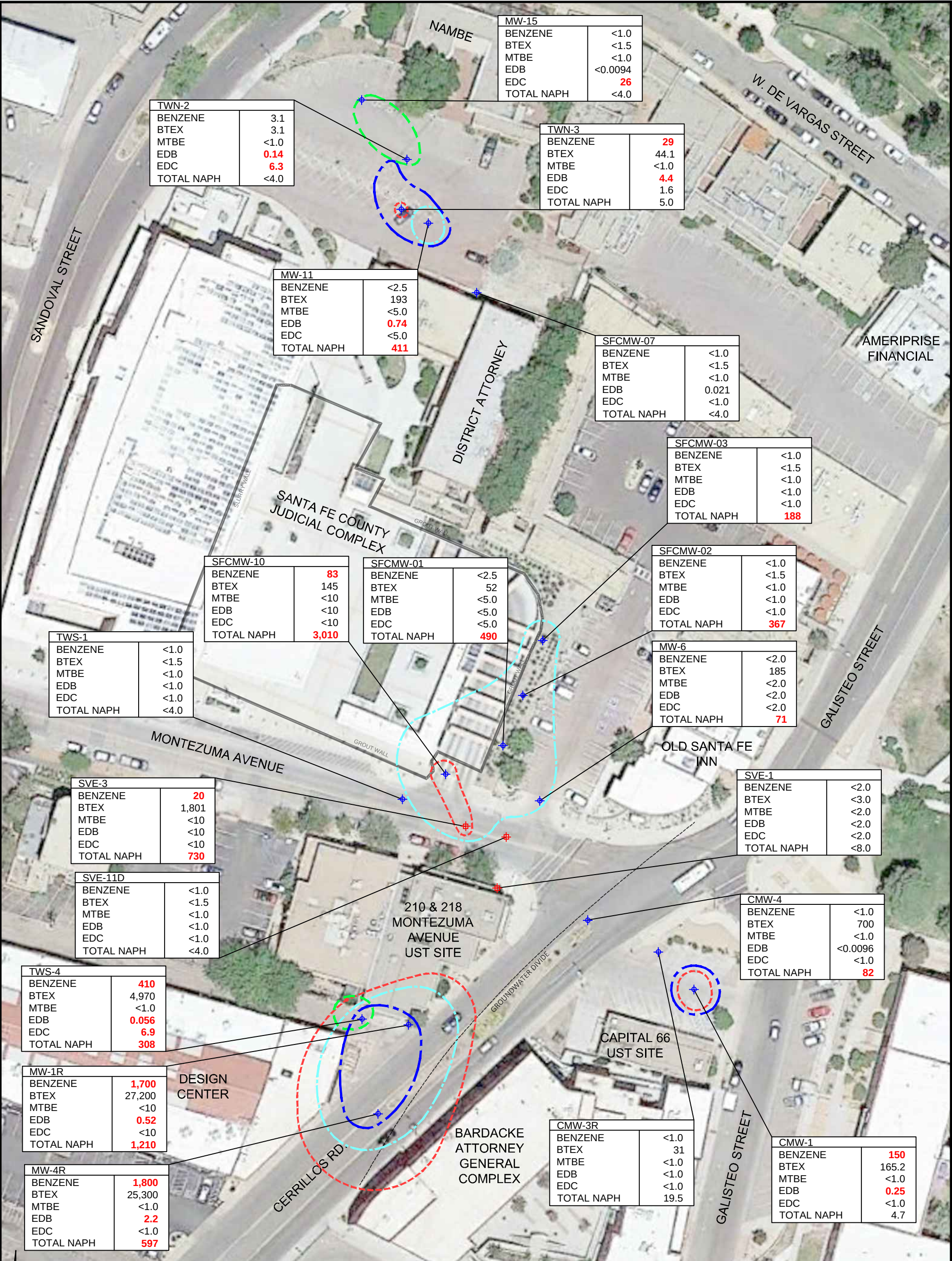
MM

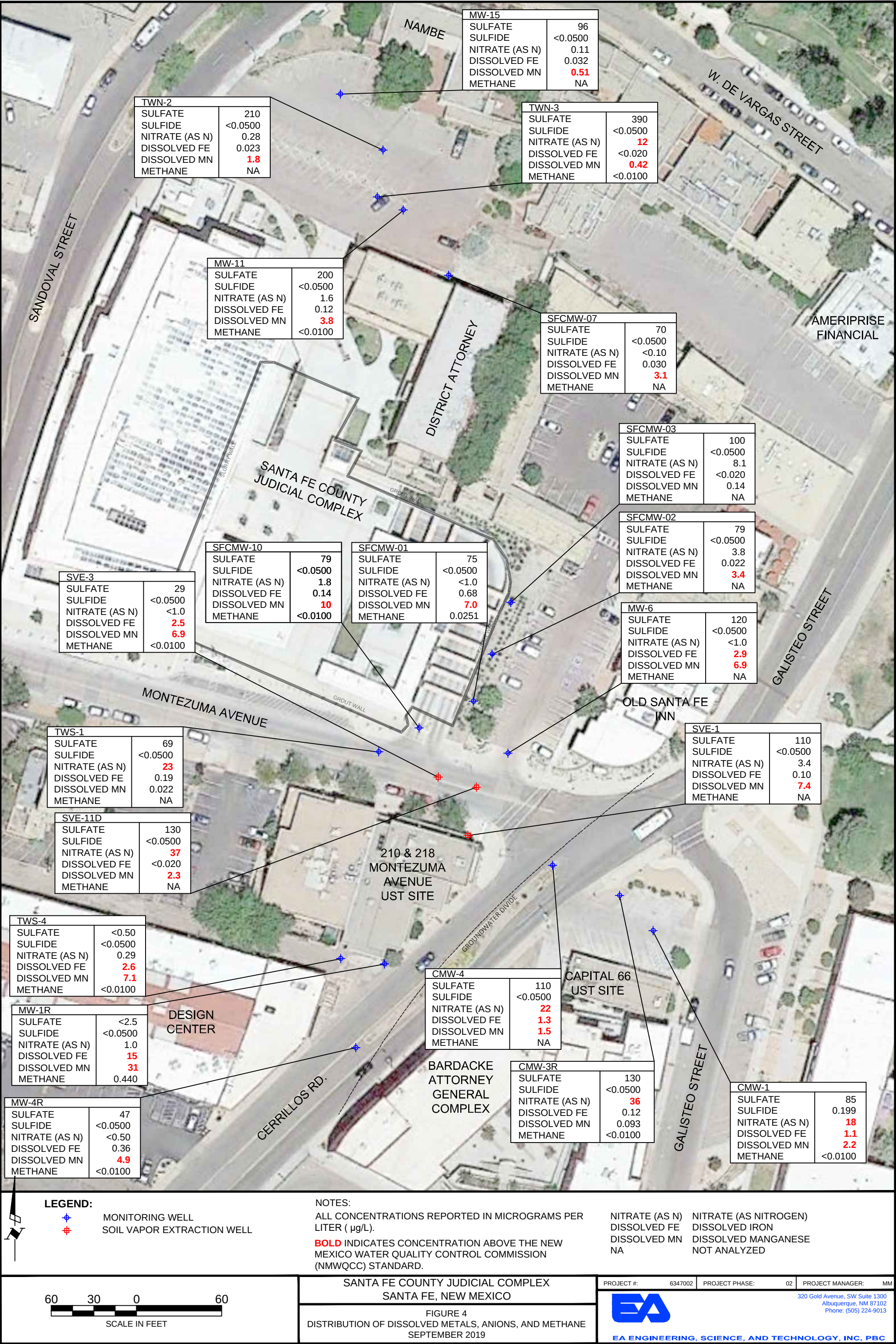
320 Gold Avenue, SW Suite 1300

Albuquerque, NM 87102

Phone: (505) 224-9013

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC





TABLES

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-1	6985.59	09/22/92	21.11	---	0.00	6964.48
		01/28/94	22.32	---	0.00	6963.27
		02/25/94	22.69	---	0.00	6962.90
		03/21/94	22.79	---	0.00	6962.80
		04/26/94	22.67	---	0.00	6962.92
		05/19/94	22.07	---	0.00	6963.52
		06/21/94	22.08	---	0.00	6963.51
		07/25/94	22.30	---	0.00	6963.29
		08/30/94	21.87	---	0.00	6963.72
		09/15/94	22.14	---	0.00	6963.45
		10/12/94	22.33	---	0.00	6963.26
		11/17/94	22.40	---	0.00	6963.19
		12/06/94	22.60	---	0.00	6962.99
		01/25/95	23.08	---	0.00	6962.51
		04/12/95	23.42	---	0.00	6962.17
		05/25/95	23.31	---	0.00	6962.28
		07/27/95	23.00	---	0.00	6962.59
		11/07/95	22.91	---	0.00	6962.68
		01/28/96	23.84	---	0.00	6961.75
		10/30/96	24.42	---	0.00	6961.17
		03/06/97	23.90	---	0.00	6961.69
		09/03/97	22.29	---	0.00	6963.30
		01/06/98	22.90	---	0.00	6962.69
		03/26/98	23.42	---	0.00	6962.17
		11/20/98	22.10	---	0.00	6963.49
		02/18/99	23.41	---	0.00	6962.18
		05/05/99	23.75	---	0.00	6961.84
		08/10/99	22.00	---	0.00	6963.59
		03/09/00	24.20	---	0.00	6961.39
		06/14/00	24.78	---	0.00	6960.81
		09/06/00	23.20	---	0.00	6962.39
		12/12/00	23.71	---	0.00	6961.88
		03/29/01	24.47	---	0.00	6961.12
		12/05/01	24.33	---	0.00	6961.26
		03/04/02	25.86	---	0.00	6959.73
		06/03/02	26.67	---	0.00	6958.92
		10/05/02	26.62	---	0.00	6958.97
		04/03/04	29.48	---	0.00	6956.11

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-1 (cont.)	6985.59	08/06/04	30.41	---	0.00	6955.18
		11/02/04	30.80	---	0.00	6954.79
		02/13/06	27.29	---	0.00	6958.30
		06/02/06	28.73	---	0.00	6956.86
		05/23/07	22.65	---	0.00	6962.94
		10/15/07	19.92	---	0.00	6965.67
		11/29/07	19.70	---	0.00	6965.89
		02/26/08	20.35	---	0.00	6965.24
		06/26/09	23.39	---	0.00	6962.20
		07/10/09	23.40	---	0.00	6962.19
		07/20/09	22.91	---	0.00	6962.68
		08/06/09	21.95	---	0.00	6963.64
		08/18/09	21.36	---	0.00	6964.23
		11/13/09	20.93	---	0.00	6964.66
		03/23/10	23.62	---	0.00	6961.97
		09/27/10	19.81	---	0.00	6965.78
		12/06/10	20.46	---	0.00	6965.13
		03/09/11	23.21	---	0.00	6962.38
		06/14/11	24.49	---	0.00	6961.10
		10/03/11	20.54	---	0.00	6965.05
		01/03/12	21.40	---	0.00	6964.19
		04/09/12	23.80	---	0.00	6961.79
		07/16/12	23.20	---	0.00	6962.39
		10/08/12	20.79	---	0.00	6964.80
		01/07/13	21.72	---	0.00	6963.87
		04/01/13	24.11	---	0.00	6961.48
		06/24/13	25.51	---	0.00	6960.08
		08/01/13	24.80	---	0.00	6960.79
		08/15/13	24.40	---	0.00	6961.19
		09/17/13	22.20	---	0.00	6963.39
		09/26/13	21.25	---	0.00	6964.34
		10/10/13	19.60	---	0.00	6965.99
		10/24/13	20.45	---	0.00	6965.14
		11/14/13	20.53	---	0.00	6965.06
		11/26/13	21.35	---	0.00	6964.24
		12/16/13	22.00	---	0.00	6963.59
		01/20/14	23.25	---	0.00	6962.34
		02/10/14	23.80	---	0.00	6961.79

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-1 (cont.)	6985.59	04/07/14	25.31	---	0.00	6960.28
		07/14/14	24.43	---	0.00	6961.16
		10/26/15	18.40	---	0.00	6967.19
		04/06/16	23.09	---	0.00	6962.50
		12/14/16	21.66	---	0.00	6963.93
		08/14/17	24.78	---	0.00	6960.81
		02/20/18	25.33	---	0.00	6960.26
		08/09/18	23.97	---	0.00	6961.62
		02/22/19	24.82	---	0.00	6960.77
		09/24/19	21.40	---	0.00	6964.19
CMW-2	6984.43	09/22/92	23.06	---	0.00	6961.37
		01/28/94	23.85	---	0.00	6960.58
		02/25/94	24.17	---	0.00	6960.26
		03/21/94	24.24	---	0.00	6960.19
		04/26/94	24.11	---	0.00	6960.32
		05/19/94	23.81	---	0.00	6960.62
		06/21/94	23.68	---	0.00	6960.75
		07/25/94	23.98	---	0.00	6960.45
		08/30/94	23.55	---	0.00	6960.88
		09/15/94	23.71	---	0.00	6960.72
		10/12/94	23.90	---	0.00	6960.53
		11/17/94	24.02	---	0.00	6960.41
		12/06/94	24.21	---	0.00	6960.22
		01/25/95	24.42	---	0.00	6960.01
		04/12/95	24.75	---	0.00	6959.68
		05/25/95	24.61	---	0.00	6959.82
		06/26/95	24.55	---	0.00	6959.88
		07/27/95	24.37	---	0.00	6960.06
		11/07/95	24.13	---	0.00	6960.30
		10/30/96	24.46	---	0.00	6959.97
		03/06/97	24.42	---	0.00	6960.01
		09/03/97	22.48	---	0.00	6961.95
		01/06/98	23.08	---	0.00	6961.35
		03/26/98	23.18	---	0.00	6961.25
		11/20/98	22.33	---	0.00	6962.10
		02/18/99	23.38	---	0.00	6961.05
		05/05/99	23.79	---	0.00	6960.64
		08/10/99	22.30	---	0.00	6962.13

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-2 (cont.)	6984.43	03/09/00	23.75	---	0.00	6960.68
		06/14/00	24.56	---	0.00	6959.87
		06/14/00	24.56	---	0.00	6959.87
		09/06/00	23.78	---	0.00	6960.65
		09/06/00	23.78	---	0.00	6960.65
		12/12/00	24.02	---	0.00	6960.41
		03/29/01	23.45	---	0.00	6960.98
		12/05/01	25.97	---	0.00	6958.46
		03/04/02	25.33	---	0.00	6959.10
		06/03/02	25.86	---	0.00	6958.57
		10/05/02	25.77	---	0.00	6958.66
		04/03/04	28.13	---	0.00	6956.30
		08/06/04	28.91	---	0.00	6955.52
		11/02/04	29.17	---	0.00	6955.26
		02/13/06	27.37	---	0.00	6957.06
		06/02/06	27.40	---	0.00	6957.03
		05/23/07	21.70	---	0.00	6962.73
		10/15/07	20.59	---	0.00	6963.84
		11/29/07	20.71	---	0.00	6963.72
		02/26/08	21.00	---	0.00	6963.43
		06/26/09	23.07	---	0.00	6961.36
		07/10/09	23.12	---	0.00	6961.31
		07/20/09	22.85	---	0.00	6961.58
		08/06/09	22.44	---	0.00	6961.99
		08/17/09	22.23	---	0.00	6962.20
		11/13/09	21.58	---	0.00	6962.85
		03/23/10	23.25	---	0.00	6961.18
		09/27/10	21.35	---	0.00	6963.08
		12/06/10	21.37	---	0.00	6963.06
		03/09/11	23.16	---	0.00	6961.27
		06/14/11	23.82	---	0.00	6960.61
		07/18/11	24.11	---	0.00	6960.32
		07/22/11	24.00	---	0.00	6960.43
		07/25/11	24.00	---	0.00	6960.43
		08/01/11	23.88	---	0.00	6960.55
		08/08/11	23.75	---	0.00	6960.68
		08/22/11	23.35	---	0.00	6961.08
		09/06/11	22.78	---	0.00	6961.65

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-2 (cont.)	6984.43	09/19/11	22.33	---	0.00	6962.10
		10/03/11	22.02	---	0.00	6962.41
		10/17/11	21.77	---	0.00	6962.66
		11/01/11	21.64	---	0.00	6962.79
		11/15/11	21.80	---	0.00	6962.63
		01/03/12	22.46	---	0.00	6961.97
		04/09/12	23.81	---	0.00	6960.62
		07/16/12	23.51	---	0.00	6960.92
		10/08/12	22.00	---	0.00	6962.43
		01/07/13	22.67	---	0.00	6961.76
		04/01/13	24.68	---	0.00	6959.75
		06/24/13	25.00	---	0.00	6959.43
		08/01/13	25.03	---	0.00	6959.40
		08/15/13	24.58	---	0.00	6959.85
		09/17/13	23.55	---	0.00	6960.88
		09/26/13	23.10	---	0.00	6961.33
		10/10/13	22.30	---	0.00	6962.13
		10/24/13	22.10	---	0.00	6962.33
		11/14/13	22.10	---	0.00	6962.33
		11/26/13	22.54	---	0.00	6961.89
		12/16/13	22.80	---	0.00	6961.63
		01/20/14	23.35	---	0.00	6961.08
		02/10/14	23.70	---	0.00	6960.73
		04/07/14	24.80	---	0.00	6959.63
		07/14/14	24.80	---	0.00	6959.63
		10/27/15	16.83	---	0.00	6967.60
		04/07/16	23.46	---	0.00	6960.97
		12/14/16	22.32	---	0.00	6962.11
		08/14/17	24.10	---	0.00	6960.33
		02/20/18	24.63	---	0.00	6959.80
CMW-3	6984.85	09/22/92	22.14	---	0.00	6962.71
		01/28/94	22.65	---	0.00	6962.20
		02/25/94	22.80	---	0.00	6962.05
		03/21/94	22.88	---	0.00	6961.97
		04/26/94	22.75	---	0.00	6962.10
		05/19/94	22.36	---	0.00	6962.49
		06/21/94	22.35	---	0.00	6962.50
		07/25/94	22.64	---	0.00	6962.21

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-3 (cont.)	6984.85	08/30/94	22.36	---	0.00	6962.49
		09/15/94	22.44	---	0.00	6962.41
		10/12/94	22.55	---	0.00	6962.30
		11/17/94	22.62	---	0.00	6962.23
		12/06/94	22.77	---	0.00	6962.08
		01/25/95	22.92	---	0.00	6961.93
		04/12/95	23.12	---	0.00	6961.73
		05/25/95	22.93	---	0.00	6961.92
		06/26/95	22.85	---	0.00	6962.00
		07/27/95	22.71	---	0.00	6962.14
		11/07/95	22.73	---	0.00	6962.12
		01/28/96	23.18	---	0.00	6961.67
		10/30/96	24.60	---	0.00	6960.25
		03/06/97	24.42	---	0.00	6960.43
		09/03/97	22.20	---	0.00	6962.65
		01/06/98	22.71	---	0.00	6962.14
		03/26/98	22.61	---	0.00	6962.24
		11/20/98	22.24	---	0.00	6962.61
		02/18/99	23.86	---	0.00	6960.99
		05/05/99	23.83	---	0.00	6961.02
		03/09/00	23.79	---	0.00	6961.06
		06/14/00	23.67	---	0.00	6961.18
		09/06/00	23.90	---	0.00	6960.95
		12/12/00	22.98	---	0.00	6961.87
		03/29/01	21.87	---	0.00	6962.98
		12/05/01	24.26	---	0.00	6960.59
		03/04/02	24.51	---	0.00	6960.34
		06/03/02	25.34	---	0.00	6959.51
		10/05/02	25.47	---	0.00	6959.38
		04/03/04	26.38	---	0.00	6958.47
		08/06/04	27.15	---	0.00	6957.70
		11/02/04	27.10	---	0.00	6957.75
		02/04/06	Well plugged and abandoned			
CMW-3R	6984.45	02/13/06	26.17	25.95	0.22	6958.45
		06/02/06	28.27	27.17	1.10	6957.01
		05/23/07	21.61	21.56	0.05	6962.88
		10/15/07	18.79	18.75	0.04	6965.69
		11/29/07	18.57	18.54	0.03	6965.90

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-3R (cont.)	6984.45	02/26/08	19.08	19.05	0.03	6965.39
		06/26/09	22.07	22.00	0.07	6962.43
		07/10/09	22.04	21.97	0.07	6962.46
		07/20/09	21.56	21.54	0.02	6962.91
		08/06/09	20.45	20.43	0.02	6964.02
		08/17/09	19.90	19.88	0.02	6964.57
		11/13/09	19.47	---	0.00	6964.98
		03/23/10	22.20	---	0.00	6962.25
		09/27/10	18.53	---	0.00	6965.92
		12/06/10	19.46	---	0.00	6964.99
		03/09/11	21.87	---	0.00	6962.58
		06/14/11	23.11	---	0.00	6961.34
		10/03/11	19.45	---	0.00	6965.00
		01/03/12	21.00	---	0.00	6963.45
		04/09/12	22.67	---	0.00	6961.78
		07/16/12	21.81	---	0.00	6962.64
		10/08/12	20.08	---	0.00	6964.37
		01/07/13	20.73	---	0.00	6963.72
		04/01/13	23.00	---	0.00	6961.45
		06/24/13	24.16	24.10	0.06	6960.34
		07/20/13	23.64	---	0.00	6960.81
		08/01/13	23.32	---	Sheen	6961.13
		08/15/13	22.69	---	Sheen	6961.76
		09/17/13	20.70	---	Sheen	6963.75
		09/26/13	19.80	---	Sheen	6964.65
		10/10/13	18.60	---	Sheen	6965.85
		10/24/13	18.50	---	Sheen	6965.95
		11/07/13	19.30	---	Sheen	6965.15
		11/14/13	19.05	---	Sheen	6965.40
		11/26/13	20.10	---	Sheen	6964.35
		12/16/13	20.82	---	0.00	6963.63
		01/20/14	21.83	---	0.00	6962.62
		02/10/14	22.33	---	0.00	6962.12
		04/07/14	23.91	---	0.00	6960.54
		07/14/14	22.91	---	0.00	6961.54
		10/27/15	17.00	---	0.00	6967.45
		04/07/16	21.70	---	0.00	6962.75
		12/14/16	20.26	---	0.00	6964.19

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-3R (cont.)	6984.45	08/14/17	23.31	---	0.00	6961.14
		02/20/18	23.93	---	0.00	6960.52
		08/09/18	22.39	---	0.00	6962.06
		02/21/19	23.28	---	0.00	6961.17
		09/24/19	19.99	---	0.00	6964.46
CMW-4	6983.21	11/03/09	21.05	---	0.00	6962.16
		11/08/09	21.00	---	0.00	6962.21
		11/13/09	21.05	---	0.00	6962.16
	6982.95 ^e	03/23/10	22.26	---	0.00	6960.69
		09/27/10	20.77	---	0.00	6962.18
		12/06/10	20.91	---	0.00	6962.04
		03/09/11	22.00	---	0.00	6960.95
		06/14/11	22.46	---	0.00	6960.49
		10/03/11	21.49	---	0.00	6961.46
		01/03/12	21.58	---	0.00	6961.37
		04/09/12	22.55	---	0.00	6960.40
		07/16/12	22.78	---	0.00	6960.17
		10/08/12	21.40	---	0.00	6961.55
		01/07/13	21.73	---	0.00	6961.22
		11/07/13	21.20	---	0.00	6961.75
		11/08/13	21.18	---	0.00	6961.77
		12/16/13	21.40	---	0.00	6961.55
		01/20/14	21.90	---	0.00	6961.05
		02/10/14	22.17	---	0.00	6960.78
		04/09/14	23.27	---	0.00	6959.68
		07/14/14	23.34	---	0.00	6959.61
		09/25/14	20.55	---	0.00	6962.40
		10/27/15	19.42	---	0.00	6963.53
		04/04/16	21.75	---	0.00	6961.20
		12/14/16	21.21	---	0.00	6961.74
		08/14/17	21.99	---	0.00	6960.96
		02/20/18	22.58	---	0.00	6960.37
		08/09/18	23.34	---	0.00	6959.61
		02/21/19	21.91	---	0.00	6961.04
		09/23/19	21.21	---	0.00	6961.74
CMW-5	6983.92	11/08/09	33.97	---	0.00	6949.95
		11/08/09	30.52	---	0.00	6953.40
		11/13/09	30.77	---	0.00	6953.15

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-5 (cont.)	6983.92	03/23/10	31.83	---	0.00	6952.09
		09/27/10	38.69	---	0.00	6945.23
		11/17/10	40.03	---	0.00	6943.89
		12/06/10	40.18	---	0.00	6943.74
		03/09/11	41.05	---	0.00	6942.87
		06/14/11	41.90	---	0.00	6942.02
		10/03/11	37.90	---	0.00	6946.02
		01/03/12	36.72	---	0.00	6947.20
		04/09/12	36.27	---	0.00	6947.65
		07/16/12	36.10	---	0.00	6947.82
		10/08/12	34.67	---	0.00	6949.25
		01/07/13	33.65	---	0.00	6950.27
		04/01/13	33.90	---	0.00	6950.02
		06/24/13	33.50	---	0.00	6950.42
		09/17/13	36.50	---	0.00	6947.42
		12/16/13	36.00	---	0.00	6947.92
		01/20/14	35.99	---	0.00	6947.93
		02/10/14	33.78	---	0.00	6950.14
		04/08/14	35.71	---	0.00	6948.21
		07/14/14	34.80	---	0.00	6949.12
		10/27/15	28.86	---	0.00	6955.06
		04/06/16	33.58	---	0.00	6950.34
		12/16/16	30.23	---	0.00	6953.69
		08/14/17	30.70	---	0.00	6953.22
		02/21/18	31.40	---	0.00	6952.52
		08/08/18	31.34	---	0.00	6952.58
		02/21/19	31.40	---	0.00	6952.52
CMW-6	6985.36	11/08/09	17.77	---	0.00	6967.59
		11/13/09	17.90	---	0.00	6967.46
		03/23/10	21.65	---	0.00	6963.71
		09/27/10	16.78	---	0.00	6968.58
		12/06/10	18.31	---	0.00	6967.05
		03/09/11	21.42	---	0.00	6963.94
		06/14/11	22.80	---	0.00	6962.56
		07/18/11	22.17	---	0.00	6963.19
		07/22/11	21.75	---	0.00	6963.61
		07/25/11	21.55	---	0.00	6963.81
		08/01/11	21.01	---	0.00	6964.35

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
CMW-6 (cont.)	6985.36	08/08/11	20.41	---	0.00	6964.95
		08/22/11	19.42	---	0.00	6965.94
		09/06/11	17.78	---	0.00	6967.58
		09/19/11	17.24	---	0.00	6968.12
		10/03/11	17.19	---	0.00	6968.17
		10/17/11	16.96	---	0.00	6968.40
		11/01/11	17.06	---	0.00	6968.30
		11/15/11	17.66	---	0.00	6967.70
		01/03/12	19.60	---	0.00	6965.76
		04/09/12	22.16	---	0.00	6963.20
		07/16/12	21.05	---	0.00	6964.31
		10/08/12	18.28	---	0.00	6967.08
		01/07/13	19.87	---	0.00	6965.49
		04/01/13	22.40	---	0.00	6962.96
		06/24/13	23.70	---	0.00	6961.66
		09/17/13	19.00	---	0.00	6966.36
		12/16/13	17.70	---	0.00	6967.66
		01/20/14	20.82	---	0.00	6964.54
		02/10/14	21.50	---	0.00	6963.86
		04/07/14	21.72	---	0.00	6963.64
		07/14/14	21.81	---	0.00	6963.55
		10/27/15	15.04	---	0.00	6970.32
		04/07/16	20.59	---	0.00	6964.77
		12/14/16	Well destroyed			
MW-1	NA	09/23/03	28.00	---	Sheen	--- ^d
		03/31/04	Well plugged and abandoned			
MW-1R	6982.74	04/03/04	31.13	---	0.00	6951.61
		08/06/04	30.05	---	0.00	6952.69
		11/02/04	30.03	---	0.00	6952.71
		02/13/06	30.69	---	0.00	6952.05
		06/02/06	31.19	---	0.00	6951.55
		02/16/07	30.21	---	0.00	6952.53
		05/23/07	27.51	---	0.00	6955.23
		08/29/07	26.91	---	0.00	6955.83
		11/15/07	26.85	---	0.00	6955.89
		09/15/08	28.36	---	0.00	6954.38
		12/19/08	28.65	---	0.00	6954.09
		03/09/09	29.72	---	0.00	6953.02

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-1R (cont.)	6982.74	05/22/09	30.46	---	0.00	6952.28
		06/26/09	30.45	---	0.00	6952.29
		07/10/09	30.43	---	0.00	6952.31
		07/17/09	30.53	---	0.00	6952.21
		07/20/09	30.41	---	0.00	6952.33
		08/06/09	30.38	---	0.00	6952.36
		08/18/09	30.36	---	0.00	6952.38
		11/08/09	29.94	---	0.00	6952.80
		03/23/10	29.71	---	0.00	6953.03
		09/27/10 through 01/03/12	Dry			
		04/09/12	35.18	---	0.00	6947.56
		07/16/12	34.55	---	0.00	6948.19
		10/08/12	34.00	---	0.00	6948.74
		01/07/13	33.17	---	0.00	6949.57
		04/01/13	34.22	---	0.00	6948.52
		06/24/13	33.40	---	0.00	6949.34
		09/17/13	34.20	---	0.00	6948.54
		10/10/13	32.90	---	0.00	6949.84
		12/16/13	32.20	---	0.00	6950.54
		01/20/14	32.08	---	0.00	6950.66
		02/10/14	31.97	---	0.00	6950.77
		04/09/14	32.27	---	0.00	6950.47
		07/14/14	31.90	---	0.00	6950.84
		09/24/14	30.67	---	0.00	6952.07
		10/27/15	24.90	---	0.00	6957.84
		04/05/16	28.61	---	0.00	6954.13
		12/14/16	28.53	---	0.00	6954.21
		08/14/17	28.77	---	0.00	6953.97
		02/21/18	30.75	---	0.00	6951.99
		08/09/18	31.54	---	0.00	6951.20
		02/21/19	30.90	---	0.00	6951.84
		09/24/19	29.96	---	0.00	6952.78
MW-2	6980.28	09/23/03	28.87	---	0.00	6951.41
		09/23/03	28.87	---	0.00	6951.41
		04/03/04	29.06	---	0.00	6951.22
		08/06/04	28.15	---	0.00	6952.13

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-2 (cont.)	6980.28	11/02/04	27.79	---	0.00	6952.49
		02/13/06	28.00	---	0.00	6952.28
		06/02/06	28.64	---	0.00	6951.64
		02/16/07	28.50	---	0.00	6951.78
		05/23/07	28.12	---	0.00	6952.16
		08/29/07	27.83	---	0.00	6952.45
		11/15/07	28.06	---	0.00	6952.22
		09/15/08	27.99	---	0.00	6952.29
		12/19/08	27.90	---	0.00	6952.38
		03/09/09	28.04	---	0.00	6952.24
		05/22/09	28.57	---	0.00	6951.71
		06/26/09	28.58	---	0.00	6951.70
		07/10/09	28.50	---	0.00	6951.78
		07/17/09	28.59	---	0.00	6951.69
		07/20/09	28.48	---	0.00	6951.80
		08/06/09	28.45	---	0.00	6951.83
		08/18/09	28.46	---	0.00	6951.82
		11/08/09	28.16	---	0.00	6952.12
		03/23/10	25.12	---	0.00	6955.16
		09/27/10 through 06/14/11	Dry			
		01/03/12	Sump water			
		04/09/12	29.80	---	0.00	6950.48
		07/16/12	Dry			
		10/08/12	31.20	---	0.00	6949.08
		01/07/13	30.96	---	0.00	6949.32
		04/01/13	30.88	---	0.00	6949.40
		06/24/13	30.80	---	0.00	6949.48
		09/17/13	30.20	---	0.00	6950.08
		12/16/13	29.52	---	0.00	6950.76
		01/20/14	29.62	---	0.00	6950.66
		02/10/14	29.66	---	0.00	6950.62
		04/07/14	29.79	---	0.00	6950.49
		07/14/14	29.26	---	0.00	6951.02
		10/26/15	25.91	---	0.00	6954.37
		04/07/16	27.20	---	0.00	6953.08
		12/14/16	27.93	---	0.00	6952.35

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-2 (cont.)	6980.28	08/14/17	27.79	---	0.00	6952.49
		02/21/18	28.48	---	0.00	6951.80
		08/08/18	29.00	---	0.00	6951.28
		02/21/19	28.64	---	0.00	6951.64
MW-3	6981.91	04/03/04	32.50	29.47	3.03	6951.68
		08/06/04	30.85	28.65	2.20	6952.71
		11/02/04	31.27	28.73	2.54	6952.55
		06/02/05	29.54	28.47	1.07	6953.17
		06/08/05	29.92	28.36	1.56	6953.16
		06/14/05	30.00	28.39	1.61	6953.12
		06/16/05	29.51	28.55	0.96	6953.12
		06/21/05	29.93	28.48	1.45	6953.07
		06/24/05	30.02	28.45	1.57	6953.07
		06/28/05	29.80	28.56	1.24	6953.04
		07/01/05	29.55	28.70	0.85	6953.00
		07/07/05	29.85	28.66	1.19	6952.95
		07/14/05	29.93	28.71	1.22	6952.90
		07/28/05	29.73	28.95	0.78	6952.77
		08/12/05	30.29	28.92	1.37	6952.65
		08/25/05	30.12	29.08	1.04	6952.57
		09/02/05	30.03	29.18	0.85	6952.52
		09/09/05	30.02	29.20	0.82	6952.51
		09/21/05	30.45	29.13	1.32	6952.45
		10/14/05	31.14	28.98	2.16	6952.39
		11/03/05	31.08	29.03	2.05	6952.37
		12/02/05	31.54	29.02	2.52	6952.26
		12/28/05	31.84	29.09	2.75	6952.13
		02/13/06	32.25	29.23	3.02	6951.93
		04/05/06	32.62	29.40	3.22	6951.71
		05/17/06	32.92	29.51	3.41	6951.55
		06/02/06	32.99	29.56	3.43	6951.49
		06/07/06	33.00	29.56	3.44	6951.49
		08/04/06	32.30	29.35	2.95	6951.82
		08/18/06	31.81	29.22	2.59	6952.04
		09/01/06	31.28	29.00	2.28	6952.34
		09/08/06	30.99	28.87	2.12	6952.51
		09/18/06	30.67	28.71	1.96	6952.71
		09/22/06	30.51	29.67	0.84	6952.03

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-3 (cont.)	6981.91	09/29/06	30.48	28.67	1.81	6952.79
		10/06/06	30.50	28.70	1.80	6952.76
		10/13/06	30.53	28.75	1.78	6952.72
		10/18/06	30.50	28.81	1.69	6952.68
		10/26/06	30.50	28.70	1.80	6952.76
		11/10/06	30.73	28.92	1.81	6952.54
		11/29/06	30.93	29.04	1.89	6952.40
		12/27/06	31.43	29.19	2.24	6952.16
		01/23/07	31.30	29.11	2.19	6952.25
		02/13/07	31.20	29.10	2.10	6952.29
		02/16/07	30.60	29.29	1.31	6952.29
		03/01/07	31.02	29.10	1.92	6952.33
		03/07/07	30.69	29.18	1.51	6952.35
		03/16/07	30.65	29.14	1.51	6952.39
		03/23/07	30.44	29.16	1.28	6952.43
		05/23/07	27.81	---	0.00	6954.10
		08/07/07	26.83	26.70	0.13	6955.18
		08/29/07	27.21	27.05	0.16	6954.82
		11/15/07	26.63	---	0.00	6955.28
		02/06/08	27.57	27.50	0.07	6954.39
		03/19/08	26.95	---	0.00	6954.96
		05/06/08	27.13	27.11	0.02	6954.80
		06/25/08	28.27	28.06	0.21	6953.80
		09/15/08	27.83	27.78	0.05	6954.12
		12/19/08	28.35	27.92	0.43	6953.88
		03/09/09	29.37	29.00	0.37	6952.82
		05/22/09	30.52	29.36	1.16	6952.26
		06/26/09	30.38	29.37	1.01	6952.29
		07/10/09	Well replaced with SVE-1			
MW-4	6983.24	02/13/06	31.18	---	0.00	6952.06
		06/02/06	31.70	---	0.00	6951.54
		02/16/07	30.71	---	0.00	6952.53
		05/23/07	28.36	---	0.00	6954.88
		08/29/07	27.72	---	0.00	6955.52
		11/15/07	27.73	---	0.00	6955.51
		09/15/08	29.13	---	0.00	6954.11
		12/19/08	29.38	---	0.00	6953.86
		03/09/09	30.31	---	0.00	6952.93

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-4 (cont.)	6983.24	05/22/09	31.00	---	0.00	6952.24
		06/26/09	30.96	---	0.00	6952.28
		07/10/09	30.95	---	0.00	6952.29
		07/17/09	31.03	---	0.00	6952.21
		07/20/09	30.91	---	0.00	6952.33
		08/06/09	30.90	---	0.00	6952.34
		08/18/09	30.87	---	0.00	6952.37
		03/23/10	30.17	---	0.00	6953.07
		09/27/10 through 11/15/11	Dry			
		01/03/12	Sump water			
		04/09/12	35.70	---	Sheen	6947.54
		07/16/12	35.00	---	0.00	6948.24
		10/08/12	34.47	34.40	0.07	6948.82
		01/07/13	33.92	33.81	0.11	6949.40
		04/01/13	34.03	---	0.00	6949.21
		06/24/13	33.10	---	0.00	6950.14
		09/17/13	34.78	---	0.00	6948.46
		10/10/13	33.40	---	0.00	6949.84
		12/16/13	32.80	---	0.00	6950.44
		01/20/14	32.60	---	0.00	6950.64
		02/10/14	32.57	---	0.00	6950.67
MW-4R	6983.38 ^m	07/14/14	32.61	---	0.00	6950.77
		09/24/14	31.83	---	0.00	6951.55
		10/28/15	26.70	---	0.00	6956.68
		04/06/16	29.59	---	0.00	6953.79
		12/14/16	29.68	---	0.00	6953.70
		08/14/17	29.57	---	0.00	6953.81
		02/21/18	31.21	---	0.00	6952.17
		08/09/18	32.24	---	0.00	6951.14
		02/21/19	31.52	---	0.00	6951.86
		09/24/19	30.81	---	0.00	6952.57
MW-5	6983.37	02/21/06	31.52	---	0.00	6951.85
		06/02/06	31.88	---	0.00	6951.49
		02/16/07	31.34	---	0.00	6952.03
		05/23/07	30.47	---	0.00	6952.90
		08/29/07	29.75	---	0.00	6953.62

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-5 (cont.)	6983.37	11/15/07	29.72	---	0.00	6953.65
		09/15/08	30.13	---	0.00	6953.24
		12/19/08	30.24	---	0.00	6953.13
		03/09/09	31.01	---	0.00	6952.36
		05/22/09	31.33	---	0.00	6952.04
		06/26/09	31.26	---	0.00	6952.11
		07/10/09	31.26	---	0.00	6952.11
		07/17/09	31.37	---	0.00	6952.00
		07/20/09	31.24	---	0.00	6952.13
		08/06/09	31.22	---	0.00	6952.15
		08/17/09	31.23	---	0.00	6952.14
		11/08/09	31.07	---	0.00	6952.30
		03/23/10	30.55	---	0.00	6952.82
		09/27/10 through 06/14/11	Dry			
		10/03/11	39.54	---	0.00	6943.83
		01/03/12	37.21	---	0.00	6946.16
		04/09/12	35.85	---	0.00	6947.52
		07/16/12	35.18	---	0.00	6948.19
		10/08/12	34.60	---	0.00	6948.77
		01/07/13	34.12	---	0.00	6949.25
		04/01/13	34.00	---	0.00	6949.37
		06/24/13	34.01	---	0.00	6949.36
		09/17/13	33.50	---	0.00	6949.87
		12/16/13	32.85	---	0.00	6950.52
		01/20/14	32.75	---	0.00	6950.62
		02/10/14	32.71	---	0.00	6950.66
		04/09/14	32.90	---	0.00	6950.47
		07/14/14	32.50	---	0.00	6950.87
		10/28/15	27.40	---	0.00	6955.97
		04/05/16	30.16	---	0.00	6953.21
		12/16/16	31.02	---	0.00	6952.35
		08/14/17	30.56	---	0.00	6952.81
		02/21/18	31.76	---	0.00	6951.61
		08/09/18	32.26	---	0.00	6951.11
		02/21/19	31.90	---	0.00	6951.47
MW-6	6982.64	07/17/09	30.61	---	Sheen	6952.03

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-6 (cont.)	6982.64	07/20/09	30.51	---	0.00	6952.13
		08/06/09	30.58	30.47	0.11	6952.14
		08/17/09	30.59	30.46	0.13	6952.15
		09/14/09	30.65	30.48	0.17	6952.12
		11/08/09	30.36	30.31	0.05	6952.32
		11/13/09	30.30	30.27	0.03	6952.36
		03/23/10	29.80	---	0.00	6952.84
		09/27/10 through 07/18/11	Dry			
		10/03/11	38.90	---	0.00	6943.74
		01/03/12	36.40	---	0.00	6946.24
		04/09/12	35.06	---	0.00	6947.58
		07/16/12	34.40	---	0.00	6948.24
		10/08/12	33.81	---	0.00	6948.83
		01/07/13	33.36	---	0.00	6949.28
		04/01/13	33.33	---	0.00	6949.31
		06/24/13	33.30	---	0.00	6949.34
		07/25/13	33.20	---	0.00	6949.44
		08/08/13	33.10	---	0.00	6949.54
		08/22/13	33.10	---	0.00	6949.54
		09/17/13	33.10	---	0.00	6949.54
		09/26/13	32.80	---	0.00	6949.84
		10/10/13	32.70	---	0.00	6949.94
		10/24/13	32.60	---	0.00	6950.04
		11/14/13	32.35	---	0.00	6950.29
		11/26/13	32.51	---	0.00	6950.13
		12/16/13	32.20	---	0.00	6950.44
		01/20/14	32.10	---	0.00	6950.54
		02/10/14	32.08	---	0.00	6950.56
		04/09/14	33.29	---	0.00	6949.35
		07/14/14	31.79	---	0.00	6950.85
		09/25/14	31.21	---	0.00	6951.43
		10/28/15	26.73	---	0.00	6955.91
		04/05/16	29.56	---	0.00	6953.08
		12/14/16	30.30	---	0.00	6952.34
		08/14/17	29.98	---	0.00	6952.66
		08/09/18	31.33	---	0.00	6951.31

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-6 (cont.)	6982.64	02/21/19	30.94	---	0.00	6951.70
		09/23/19	30.10	---	0.00	6952.54
MW-7	6983.66	07/17/09	31.65	---	0.00	6952.01
		07/20/09	31.53	---	0.00	6952.13
		08/06/09	31.52	---	0.00	6952.14
		08/17/09	31.52	---	0.00	6952.14
		11/08/09	31.40	---	0.00	6952.26
		03/23/10	30.82	---	0.00	6952.84
		09/27/10 through 06/14/11	Dry			
		10/03/11	Sump water			
		01/03/12	37.28	---	0.00	6946.38
		04/09/12	35.93	---	0.00	6947.73
		07/16/12	35.38	---	0.00	6948.28
		10/08/12	34.85	---	0.00	6948.81
		01/07/13	34.45	---	0.00	6949.21
		04/01/13	34.30	---	0.00	6949.36
		06/24/13	34.25	---	0.00	6949.41
		09/17/13	33.85	---	0.00	6949.81
		12/16/13	33.40	---	0.00	6950.26
		01/20/14	33.52	---	0.00	6950.14
		02/10/14	33.09	---	0.00	6950.57
		04/09/14	33.30	---	0.00	6950.36
		07/14/14	32.81	---	0.00	6950.85
		10/28/15	28.10	---	0.00	6955.56
		04/05/16	30.45	---	0.00	6953.21
		12/14/16	31.15	---	0.00	6952.51
		08/14/17	31.38	---	0.00	6952.28
		02/20/18	31.96	---	0.00	6951.70
		08/09/18	32.54	---	0.00	6951.12
		02/21/19	32.13	---	0.00	6951.53
MW-8	6984.36	07/17/09	32.39	---	0.00	6951.97
		07/20/09	32.28	---	0.00	6952.08
		08/06/09	32.28	---	0.00	6952.08
		08/17/09	32.26	---	0.00	6952.10
		11/08/09	32.17	---	0.00	6952.19
		03/23/10	31.67	---	0.00	6952.69

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-8 (cont.)	6984.36	09/27/10	39.94	---	0.00	6944.42
		12/06/10 through 06/14/11	Dry			
		10/03/11	Sump water			
		01/03/12	37.78	---	0.00	6946.58
		04/09/12	36.60	---	0.00	6947.76
		07/16/12	36.00	---	0.00	6948.36
		10/08/12	35.55	---	0.00	6948.81
		01/07/13	35.17	---	0.00	6949.19
		04/01/13	35.08	---	0.00	6949.28
		06/24/13	35.00	---	0.00	6949.36
		09/17/13	34.50	---	0.00	6949.86
		12/16/13	34.09	---	0.00	6950.27
		01/20/14	34.20	---	0.00	6950.16
		02/10/14	33.96	---	0.00	6950.40
		04/08/14	34.21	---	0.00	6950.15
		07/14/14	33.51	---	0.00	6950.85
		10/28/15	Well blocked			
		04/06/16	31.68	---	0.00	6952.68
		12/14/16	32.33	---	0.00	6952.03
		08/14/17	32.41	---	0.00	6951.95
		02/20/18	32.94	---	0.00	6951.42
		08/08/18	33.36	---	0.00	6951.00
		02/21/19	33.14	---	0.00	6951.22
MW-9	6985.90	07/21/09	33.86	---	0.00	6952.04
		03/24/10	33.27	---	0.00	6952.63
		09/27/10	41.65	---	0.00	6944.25
		12/06/10 through 06/14/11	Dry			
		10/03/11	41.58	---	0.00	6944.32
		01/03/12	39.24	---	0.00	6946.66
		04/09/12	38.07	---	0.00	6947.83
		07/16/12	37.48	---	0.00	6948.42
		10/08/12	36.98	---	0.00	6948.92
		01/07/13	36.69	---	0.00	6949.21
		04/01/13	36.50	---	0.00	6949.40

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-9 (cont.)	6985.90	06/24/13	36.54	---	0.00	6949.36
		09/17/13	36.00	---	0.00	6949.90
		12/16/13	35.65	---	0.00	6950.25
		01/20/14	35.50	---	0.00	6950.40
		02/10/14	35.56	---	0.00	6950.34
		04/07/14	35.74	---	0.00	6950.16
		07/14/14	35.06	---	0.00	6950.84
		10/26/15	31.36	---	0.00	6954.54
		04/07/16	33.23	---	0.00	6952.67
		12/14/16	33.31	---	0.00	-33.31
		08/14/17	33.39	---	0.00	-33.39
		02/20/18	33.91	---	0.00	-33.91
		08/08/18	34.28	---	0.00	-34.28
		02/21/19	34.07	---	0.00	-34.07
MW-10	6984.27	08/03/09	32.17	---	0.00	6952.10
		03/23/10	31.68	---	0.00	6952.59
		09/27/10	39.11	---	0.00	6945.16
		10/25/10	40.28	---	0.00	6943.99
		12/06/10	40.95	---	0.00	6943.32
		03/09/11	41.03	---	0.00	6943.24
		06/14/11	41.16	---	0.00	6943.11
		10/03/11	39.43	---	0.00	6944.84
		01/03/12	37.50	---	0.00	6946.77
		04/09/12	36.38	---	0.00	6947.89
		07/16/12	35.75	---	0.00	6948.52
		10/08/12	34.82	---	0.00	6949.45
		01/07/13	Well not accessible			
		04/01/13	34.84	---	0.00	6949.43
		06/24/13	34.85	---	0.00	6949.42
		09/17/13	34.35	---	0.00	6949.92
		12/16/13	33.50	---	0.00	6950.77
		01/20/14	33.75	---	0.00	6950.52
		02/10/14	33.52	---	0.00	6950.75
		04/07/14	34.07	---	0.00	6950.20
		07/14/14	33.42	---	0.00	6950.85
		10/26/15	29.52	---	0.00	6954.75
		04/07/16	31.59	---	0.00	6952.68
		12/14/16	32.23	---	0.00	6952.04

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-10 (cont.)	6984.27	08/14/17	32.38	---	0.00	6951.89
		02/20/18	32.83	---	0.00	6951.44
		08/08/18	33.19	---	0.00	6951.08
		02/22/19	32.98	---	0.00	6951.29
MW-11	6978.14	10/31/09	26.24	---	0.00	6951.90
		11/07/09	26.12	---	0.00	6952.02
		03/23/10	25.61	---	0.00	6952.53
		09/27/10	---	33.04	1.66	6944.69
		10/25/10 through 06/14/11	Dry			
		10/03/11	Sump water			
		01/03/12	31.57	---	0.00	6946.57
		04/09/12	30.60	---	0.00	6947.54
		07/16/12	29.90	---	0.00	6948.24
		11/08/12	29.22	---	0.00	6948.92
		01/07/13	29.02	---	0.00	6949.12
		04/01/13	28.90	---	0.00	6949.24
		06/24/13	28.63	---	0.00	6949.51
		09/17/13	28.30	---	0.00	6949.84
		10/10/13	28.20	---	0.00	6949.94
		12/16/13	27.90	---	0.00	6950.24
		01/20/14	27.80	---	0.00	6950.34
		02/10/14	27.80	---	0.00	6950.34
		04/07/14	28.03	---	0.00	6950.11
		07/14/14	27.31	---	0.00	6950.83
		09/24/14	27.19	---	0.00	6950.95
		10/26/15	23.86	---	0.00	6954.28
		04/04/16	25.62	---	0.00	6952.52
		12/14/16	26.16	---	0.00	6951.98
		08/14/17	26.34	---	0.00	6951.80
		02/19/18	26.65	---	0.00	6951.49
		08/08/18	27.11	---	0.00	6951.03
		02/20/19	27.00	---	0.00	6951.14
		09/23/19	26.02	---	0.00	6952.12
MW-12	6978.97	10/24/09	26.98	---	0.00	6951.99
		11/07/09	26.92	---	0.00	6952.05
		03/23/10	26.44	---	0.00	6952.53

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-12 (cont.)	6978.97	10/25/10 through 10/03/11	Dry			
		01/03/12	32.38	---	0.00	6946.59
		04/09/12	31.32	---	0.00	6947.65
		07/16/12	30.68	---	0.00	6948.29
		10/08/12	30.10	---	0.00	6948.87
		01/07/13	29.81	---	0.00	6949.16
		04/01/13	29.68	---	0.00	6949.29
		06/24/13	29.55	---	0.00	6949.42
		09/17/13	29.11	---	0.00	6949.86
		12/17/13	28.80	---	0.00	6950.17
		01/20/14	28.60	---	0.00	6950.37
		02/10/14	28.60	---	0.00	6950.37
		04/07/14	28.81	---	0.00	6950.16
		07/14/14	28.12	---	0.00	6950.85
		10/26/15	24.57	---	0.00	6954.40
		04/04/16	26.36	---	0.00	6952.61
		12/14/16	26.95	---	0.00	6952.02
		08/14/17	27.11	---	0.00	6951.86
		02/19/18	27.65	---	0.00	6951.32
		08/08/18	27.92	---	0.00	6951.05
		02/21/19	27.79	---	0.00	6951.18
MW-13	6977.42	03/09/11	36.15	---	0.00	6941.27
		06/14/11	35.10	---	0.00	6942.32
		10/03/11	32.99	---	0.00	6944.43
		01/03/12	30.54	---	0.00	6946.88
		04/09/12	29.59	---	0.00	6947.83
		07/16/12	29.00	---	0.00	6948.42
		10/08/12	28.50	---	0.00	6948.92
		01/07/13	28.20	---	0.00	6949.22
		04/01/13	28.00	---	0.00	6949.42
		06/24/13	27.96	---	0.00	6949.46
		09/17/13	27.50	---	0.00	6949.92
		10/10/13	27.40	---	0.00	6950.02
		12/16/13	27.09	---	0.00	6950.33
		01/20/14	27.10	---	0.00	6950.32
		02/10/14	26.87	---	0.00	6950.55

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-13 (cont.)	6977.42	04/07/14	27.26	---	0.00	6950.16
		07/14/14	26.55	---	0.00	6950.87
		09/24/14	26.46	---	0.00	6950.96
		10/26/15	23.17	---	0.00	6954.25
		04/04/16	24.89	---	0.00	6952.53
		12/14/16	25.45	---	0.00	6951.97
		08/14/17	25.50	---	0.00	6951.92
		02/19/18	25.80	---	0.00	6951.62
		08/08/18	26.37	---	0.00	6951.05
		02/20/19	26.24	---	0.00	6951.18
MW-14	6978.05	03/09/11	35.85	---	0.00	6942.20
		06/14/11	36.08	---	0.00	6941.97
		10/03/11	33.63	---	0.00	6944.42
		01/03/12	31.10	---	0.00	6946.95
		04/09/12	29.91	---	0.00	6948.14
		07/16/12	29.38	---	0.00	6948.67
		10/08/12	29.14	---	0.00	6948.91
		01/07/13	28.81	---	0.00	6949.24
		04/01/13	28.71	---	0.00	6949.34
		06/24/13	28.62	---	0.00	6949.43
		09/17/13	28.10	---	0.00	6949.95
		12/16/13	27.80	---	0.00	6950.25
		01/20/14	27.69	---	0.00	6950.36
		02/10/14	27.66	---	0.00	6950.39
		04/07/14	27.86	---	0.00	6950.19
		07/14/14	27.17	---	0.00	6950.88
		09/24/14	27.08	---	0.00	6950.97
		10/26/15	23.81	---	0.00	6954.24
		04/04/16	25.50	---	0.00	6952.55
		12/14/16	26.04	---	0.00	6952.01
		08/14/17	26.15	---	0.00	6951.90
		02/19/18	26.46	---	0.00	6951.59
		08/08/18	26.96	---	0.00	6951.09
		02/20/19	26.86	---	0.00	6951.19
MW-15	6977.43	03/09/11	36.25	---	0.00	6941.18
		05/09/11	37.26	---	0.00	6940.17
		06/14/11	36.81	---	0.00	6940.62
		10/03/11	33.00	---	0.00	6944.43

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-15 (cont.)	6977.43	01/03/12	30.92	---	0.00	6946.51
		04/09/12	29.60	---	0.00	6947.83
		07/16/12	29.00	---	0.00	6948.43
		10/08/12	28.52	---	0.00	6948.91
		01/07/13	28.18	---	0.00	6949.25
		04/01/13	28.10	---	0.00	6949.33
		06/24/13	27.98	---	0.00	6949.45
		09/17/13	27.50	---	0.00	6949.93
		12/16/13	27.13	---	0.00	6950.30
		01/20/14	27.05	---	0.00	6950.38
		02/10/14	27.00	---	0.00	6950.43
		04/07/14	27.22	---	0.00	6950.21
		07/14/14	26.55	---	0.00	6950.88
		10/26/15	23.22	---	0.00	6954.21
		04/04/16	24.87	---	0.00	6952.56
		12/14/16	25.42	---	0.00	6952.01
		08/14/17	25.52	---	0.00	6951.91
		02/19/18	25.92	---	0.00	6951.51
		08/08/18	26.35	---	0.00	6951.08
		02/20/19	26.26	---	0.00	6951.17
		09/24/19	25.29	---	0.00	6952.14
MW-16	6972.49 ^m	08/11/14	21.59	---	0.00	6950.90
		10/26/15	18.32	---	0.00	6954.17
		04/07/16	19.97	---	0.00	6952.52
		12/14/16	Well paved over			
MW-17	6977.37 ^m	08/11/14	26.48	---	0.00	6950.89
		10/26/15	23.04	---	0.00	6954.33
		04/04/16	24.68	---	0.00	6952.69
		12/14/16	25.34	---	0.00	6952.03
		08/14/17	25.47	---	0.00	6951.90
		02/19/18	25.82	---	0.00	6951.55
		08/08/18	26.25	---	0.00	6951.12
		02/20/19	26.16	---	0.00	6951.21
MW-18	6979.04 ^m	08/11/14	28.12	---	0.00	6950.92
		09/24/14	27.90	---	0.00	6951.14
		10/26/15	24.30	---	0.00	6954.74
		04/06/16	26.14	---	0.00	6952.90
		12/14/16	26.45	---	0.00	6952.59

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-18 (cont.)	6979.04 ^m	08/15/17	26.83	---	0.00	6952.21
		02/21/18	27.57	---	0.00	6951.47
		08/09/18	27.70	---	0.00	6951.34
		02/22/19	27.60	---	0.00	6951.44
MW-19	6979.96 ^m	08/11/14	29.21	---	0.00	6950.75
		10/26/15	25.76	---	0.00	6954.20
		04/07/16	27.15	---	0.00	6952.81
		12/14/16	27.81	---	0.00	6952.15
		08/14/17	27.69	---	0.00	6952.27
		02/21/18	28.41	---	0.00	6951.55
		08/08/18	28.90	---	0.00	6951.06
		02/22/19	28.59	---	0.00	6951.37
MW-20	6981.70 ^m	08/11/14	30.31	---	0.00	6951.39
		09/24/14	30.28	---	0.00	6951.42
		10/26/15	26.59	---	0.00	6955.11
		04/05/16	27.44	---	0.00	6954.26
		12/14/16	28.40	---	0.00	6953.30
		08/14/17	27.16	---	0.00	6954.54
		02/21/18	29.03	---	0.00	6952.67
		08/09/18	30.05	---	0.00	6951.65
SFCMW-01	6983.72	02/21/19	29.78	---	0.00	6951.92
		04/22/09	32.85	31.86	0.99	6951.61
		04/28/09	32.81	31.59	1.22	6951.83
		05/11/09	32.97	31.34	1.63	6951.97
		06/26/09	33.23	31.13	2.10	6952.07
		06/30/09	33.21	31.12	2.09	6952.08
		07/02/09	33.21	31.16	2.05	6952.05
		07/06/09	32.13	31.49	0.64	6952.07
		07/10/09	31.63	31.59	0.04	6952.12
		07/17/09	31.78	31.54	0.24	6952.12
		07/24/09	31.61	31.60	0.01	6952.12
		07/27/09	31.85	31.55	0.30	6952.10
		07/31/09	31.61	31.59	0.02	6952.13
		08/04/09	31.62	31.60	0.02	6952.12
		08/07/09	31.79	31.52	0.27	6952.13
		08/11/09	31.62	31.60	0.02	6952.12
		08/14/09	31.62	31.60	0.02	6952.12
		08/18/09	31.62	31.59	0.03	6952.12

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-01 (cont.)	6983.72	08/21/09	31.61	31.59	0.02	6952.13
		03/23/10	31.06	30.73	0.33	6952.91
	6982.15 ^{e, g}	10/03/11	38.31	---	Sheen	6943.84
		01/03/12	35.93	---	0.00	6946.22
		04/09/12	24.66	---	0.00	6957.49
		07/16/12	34.07	---	0.00	6948.08
		10/08/12	33.52	---	0.00	6948.63
		01/07/13	33.08	---	0.00	6949.18
	6982.26 ^j	01/07/13	33.05	---	0.00	6949.21
		06/24/13	33.06	---	0.00	6949.20
		07/20/13	32.79	---	0.00	6949.47
		07/25/13	32.85	---	0.00	6949.41
		08/08/13	32.70	---	0.00	6949.56
		08/22/13	32.66	---	0.00	6949.60
		09/17/13	32.45	---	0.00	6949.81
		09/26/13	32.39	---	0.00	6949.87
		10/10/13	32.25	---	0.00	6950.01
		10/24/13	32.20	---	0.00	6950.06
		11/07/13	32.20	---	0.00	6950.06
		11/14/13	31.99	---	0.00	6950.27
		11/26/13	32.35	---	0.00	6949.91
		12/16/13	31.95	---	0.00	6950.31
		01/20/14	31.88	---	0.00	6950.38
		02/10/14	31.82	---	0.00	6950.44
		04/09/14	32.02	---	0.00	6950.24
		07/17/14	31.48	---	0.00	6950.78
		09/25/14	31.11	---	0.00	6951.15
		10/28/15	26.65	---	0.00	6955.61
		04/05/16	29.34	---	0.00	6952.92
		12/14/16	30.10	---	0.00	6952.16
		08/14/17	30.23	---	0.00	6952.03
		02/20/18	30.77	---	0.00	6951.49
		08/09/18	31.26	---	0.00	6951.00
		02/21/19	30.97	---	0.00	6951.29
		09/23/19	29.99	---	0.00	6952.27
SFCMW-02	6984.45	04/22/09	33.12	32.87	0.25	6951.52
		04/28/09	32.88	32.55	0.33	6951.82
		05/11/09	32.79	32.40	0.39	6951.95

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-02 (cont.)	6984.45	06/26/09	32.86	32.24	0.62	6952.06
		06/30/09	32.89	32.21	0.68	6952.07
		07/10/09	32.80	32.20	0.60	6952.10
		07/17/09	32.71	32.23	0.48	6952.10
		07/21/09	32.71	32.23	0.48	6952.10
		07/24/09	32.61	32.25	0.36	6952.11
		07/27/09	32.59	32.26	0.33	6952.11
		07/31/09	32.54	32.27	0.27	6952.11
		08/07/09	32.42	32.28	0.14	6952.14
		08/14/09	32.40	32.30	0.10	6952.13
		08/21/09	32.36	32.31	0.05	6952.13
		03/23/10	31.62	31.52	0.10	6952.91
		10/03/11	38.60	---	0.00	6945.85
		01/03/12	36.27	---	0.00	6948.18
		04/09/12	35.00	---	0.00	6949.45
		07/16/12	34.35	---	0.00	6950.10
		10/08/12	33.77	---	0.00	6950.68
	6982.50 ^j	01/07/13	33.38	---	0.00	6949.12
		04/01/13	33.30	---	0.00	6949.20
		06/24/13	33.20	---	0.00	6949.30
		09/17/13	32.65	---	0.00	6949.85
		12/16/13	32.25	---	0.00	6950.25
		01/20/14	32.10	---	0.00	6950.40
		02/10/14	32.08	---	0.00	6950.42
		04/09/14	32.29	---	0.00	6950.21
		07/14/14	31.73	---	0.00	6950.77
		09/26/14	31.43	---	0.00	6951.07
		10/28/15	27.02	---	0.00	6955.48
		04/05/16	29.58	---	0.00	6952.92
		12/14/16	30.35	---	0.00	6952.15
		08/14/17	30.51	---	0.00	6951.99
		02/20/18	30.97	---	0.00	6951.53
		08/09/18	31.46	---	0.00	6951.04
		02/21/19	31.22	---	0.00	6951.28
		10/25/19	30.02	---	0.00	6952.48
SFCMW-03	6985.01	04/22/09	33.52	33.47	0.05	6951.53
		04/28/09	33.31	---	0.00	6951.70
		05/11/09	33.13	33.08	0.05	6951.92

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-03 (cont.)	6985.01	06/26/09	32.96	32.95	0.01	6952.06
		06/30/09	33.02	32.92	0.10	6952.07
		07/10/09	33.02	32.91	0.11	6952.07
		07/17/09	33.03	32.91	0.12	6952.07
		07/24/09	33.03	32.91	0.12	6952.07
		07/31/09	33.02	32.91	0.11	6952.07
		08/07/09	33.02	32.89	0.13	6952.09
		08/14/09	33.03	32.89	0.14	6952.09
		08/21/09	33.05	32.90	0.15	6952.07
		03/23/10	32.41	32.21	0.20	6952.75
		10/03/11	39.74	---	0.00	6945.27
		01/03/12	37.40	---	0.00	6947.61
	6983.67 ^{e, g}	04/09/12	36.09	---	0.00	6947.58
		07/16/12	35.45	---	0.00	6948.22
		10/08/12	35.12	---	0.00	6948.55
	6983.74 ^j	01/07/13	34.18	---	0.00	6949.56
		04/01/13	34.19	---	0.00	6949.55
		06/24/13	34.40	---	0.00	6949.34
		09/17/13	33.90	---	0.00	6949.84
		12/16/13	33.35	---	0.00	6950.39
		01/20/14	33.37	---	0.00	6950.37
		02/10/14	33.32	---	0.00	6950.42
		04/09/14	33.55	---	0.00	6950.19
		07/14/14	32.96	---	0.00	6950.78
		09/25/14	32.71	---	0.00	6951.03
		10/27/15	28.84	---	0.00	6954.90
		04/05/16	29.86	---	0.00	6953.88
		12/14/16	31.62	---	0.00	6952.12
		08/14/17	31.81	---	0.00	6951.93
		02/20/18	32.24	---	0.00	6951.50
		08/09/18	31.48	---	0.00	6952.26
		02/21/19	32.45	---	0.00	6951.29
		10/25/19	31.19	---	0.00	6952.55
SFCMW-04	6984.65	04/22/09	33.27	33.02	0.25	6951.57
		04/28/09	33.02	32.81	0.21	6951.79
		05/11/09	32.87	32.67	0.20	6951.93
		06/26/09	32.87	32.52	0.35	6952.04
		06/30/09	33.00	32.48	0.52	6952.04

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-04 (cont.)	6984.65	07/10/09	32.77	32.49	0.28	6952.09
		07/17/09	32.63	32.53	0.10	6952.10
		07/21/09	32.63	32.55	0.08	6952.08
		07/24/09	32.60	32.55	0.05	6952.09
		07/27/09	32.59	32.54	0.05	6952.10
		07/31/09	32.59	32.54	0.05	6952.10
		08/07/09	32.56	32.53	0.03	6952.11
		08/14/09	32.61	32.54	0.07	6952.09
		08/21/09	32.65	32.53	0.12	6952.09
		03/23/10	32.08	31.97	0.11	6952.65
		10/03/11	Dry - presumed destroyed			
		01/03/12	Plugged and abandoned			
SFCMW-05	6983.85	04/22/09	34.11	31.57	2.54	6951.65
		04/28/09	33.93	31.46	2.47	6951.77
		05/11/09	33.65	31.35	2.30	6951.93
		06/26/09	33.38	31.27	2.11	6952.05
		06/30/09	33.37	31.26	2.11	6952.06
		07/02/09	33.33	31.29	2.04	6952.05
		07/06/09	33.20	31.31	1.89	6952.07
		07/10/09	31.63	31.59	0.04	6952.25
		07/17/09	33.16	32.30	0.86	6951.34
		07/24/09	33.22	31.29	1.93	6952.08
		07/27/09	33.17	31.29	1.88	6952.09
		07/31/09	32.56	31.49	1.07	6952.09
		08/04/09	32.46	31.52	0.94	6952.10
		08/07/09	32.77	31.41	1.36	6952.10
		08/14/09	33.14	31.32	1.82	6952.08
		08/21/09	31.78	31.76	0.02	6952.09
		03/23/10	31.78	30.95	0.83	6952.69
		10/03/11	Dry - presumed destroyed			
		01/03/12	Plugged and abandoned			
SFCMW-06	6981.02	04/22/09	29.36	29.30	0.06	6951.71
		04/28/09	29.26	29.20	0.06	6951.81
		05/11/09	29.14	29.07	0.07	6951.93
		06/26/09	29.18	28.93	0.25	6952.03
		06/30/09	29.15	28.90	0.25	6952.06
		07/10/09	29.12	28.88	0.24	6952.08
		07/17/09	29.15	28.88	0.27	6952.07

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-06 (cont.)	6981.02	07/24/09	29.15	28.86	0.29	6952.09
		07/31/09	29.08	28.90	0.18	6952.08
		08/07/09	28.96	28.92	0.04	6952.09
		08/14/09	28.97	28.93	0.04	6952.08
		08/21/09	28.98	28.95	0.03	6952.06
		03/23/10	28.25	28.24	0.01	6952.78
		07/18/11 through 08/08/11	Dry			
		08/22/11	38.21	---	0.00	6942.81
		09/06/11	37.88	---	0.00	6943.14
		10/03/11	36.71	---	0.00	6944.31
		10/17/11	36.49	---	0.00	6944.53
		11/01/11	35.85	---	0.00	6945.17
		11/15/11	35.36	---	0.00	6945.66
		01/03/12	34.44	---	0.00	6946.58
		04/09/12	33.28	---	0.00	6947.74
	6980.77 ^{e, g}	07/16/12	32.10	---	0.00	6948.67
		10/08/12	31.65	---	0.00	6949.12
	6980.41 ^j	01/07/13	31.30	---	0.00	6949.11
		04/01/13	31.13	---	0.00	6949.28
		06/24/13	31.07	---	0.00	6949.34
		09/17/13	30.37	---	0.00	6950.04
		12/16/13	30.15	---	0.00	6950.26
		01/20/14	30.03	---	0.00	6950.38
		02/10/14	30.00	---	0.00	6950.41
		04/08/14	30.25	---	0.00	6950.16
		07/14/14	29.35	---	0.00	6951.06
		09/26/14	29.36	---	0.00	6951.05
		10/27/15	25.85	---	0.00	6954.56
		04/04/16	27.83	---	0.00	6952.58
		12/14/16	28.49	---	0.00	6951.92
		08/14/17	28.53	---	0.00	6951.88
		02/20/18	29.00	---	0.00	6951.41
		08/09/18	29.27	---	0.00	6951.14
		02/21/19	29.17	---	0.00	6951.24
SFCMW-07	6979.65	05/04/09	29.12	---	0.00	6950.53
		05/11/09	28.88	27.42	1.46	6951.87

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-07 (cont.)	6979.65	06/26/09	29.06	27.18	1.88	6952.00
		06/30/09	29.03	27.15	1.88	6952.03
		07/10/09	28.65	27.27	1.38	6952.04
		07/17/09	28.67	27.30	1.37	6952.01
		07/21/09	28.74	27.29	1.45	6952.00
		07/24/09	28.70	27.30	1.40	6952.00
		07/31/09	28.66	27.31	1.35	6952.00
		08/07/09	28.54	27.32	1.22	6952.03
		08/14/09	28.56	27.30	1.26	6952.04
		08/21/09	28.53	27.30	1.23	6952.04
		11/07/09	27.23	---	0.00	6952.42
		03/23/10	28.06	26.81	1.25	6952.53
		12/07/10 through 10/03/11	Dry			
		01/03/12	31.62	---	0.00	6948.03
		04/09/12	32.37	---	0.00	6947.28
		07/16/12	31.58	---	0.00	6948.07
		10/08/12	30.84	---	0.00	6948.81
	6980.42	01/09/13	30.67	---	0.00	6949.75
		04/01/13	31.41	---	0.00	6949.01
		06/24/13	31.38	---	0.00	6949.04
		09/17/13	30.64	---	0.00	6949.78
		12/16/13	30.21	---	0.00	6950.21
		01/20/14	30.08	---	0.00	6950.34
		02/10/14	30.00	---	0.00	6950.42
		04/08/14	30.23	---	0.00	6950.19
		07/14/14	29.61	---	0.00	6950.81
		09/26/14	29.45	---	0.00	6950.97
		10/27/15	26.01	---	0.00	6954.41
		04/04/16	27.85	---	0.00	6952.57
		12/14/16	28.49	---	0.00	6951.93
		08/14/17	28.64	---	0.00	6951.78
		02/19/18	28.90	---	0.00	6951.52
		08/08/18	29.38	---	0.00	6951.04
		02/20/19	29.27	---	0.00	6951.15
		09/24/19	28.26	---	0.00	6952.16
SFCMW-08	6978.89	05/04/09	29.85	---	0.00	6949.04

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-08 (cont.)	6978.89	05/11/09	26.79	---	0.00	6952.10
		05/28/09	26.81	---	0.00	6952.08
		06/26/09	26.65	---	0.00	6952.24
		07/20/09	26.63	---	0.00	6952.26
		08/06/09	26.65	---	0.00	6952.24
		08/17/09	26.56	---	0.00	6952.33
		03/23/10	25.38	---	0.00	6953.51
		09/27/10 through 10/03/11	Dry			
		01/03/12	31.99	---	0.00	6946.90
		04/09/12	30.85	---	0.00	6948.04
		07/16/12	30.34	---	0.00	6948.55
		10/08/12	30.91	---	0.00	6947.98
		01/07/13	30.47	---	0.00	6948.42
		04/01/13	30.50	---	0.00	6948.39
		06/24/13	30.20	---	0.00	6948.69
		09/17/13	28.48	---	0.00	6950.41
		12/16/13	29.23	---	0.00	6949.66
		01/20/14	29.34	---	0.00	6949.55
		02/10/14	29.37	---	0.00	6949.52
		04/07/14	29.63	---	0.00	6949.26
		07/14/14	28.05	---	0.00	6950.84
		10/27/15	24.70	---	0.00	6954.19
		04/07/16	26.53	---	0.00	6952.36
		12/14/16	27.74	---	0.00	6951.15
		08/14/17	27.73	---	0.00	6951.16
		02/20/18	28.44	---	0.00	6950.45
		08/08/18	27.80	---	0.00	6951.09
		02/20/19	28.41	---	0.00	6950.48
SFCMW-09	6977.29	05/04/09	26.20	---	0.00	6951.09
		05/11/09	26.19	---	0.00	6951.10
		05/28/09	26.30	---	0.00	6950.99
		06/26/09	26.31	---	0.00	6950.98
		07/20/09	26.16	---	0.00	6951.13
		08/07/09	26.12	---	0.00	6951.17
		08/17/09	25.71	---	0.00	6951.58
		03/23/10	24.66	---	0.00	6952.63

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-09 (cont.)	6977.29	09/27/10	26.33	---	0.00	6950.96
		10/25/10	26.71	---	0.00	6950.58
		12/06/10	28.41	---	0.00	6948.88
		03/09/11	29.22	---	0.00	6948.07
		06/14/11	Well vault obstructed			
		10/03/11	Dry			
		01/03/12	Plugged and abandoned			
SFCMW-09D	6977.81	03/23/10	25.22	---	0.00	6952.59
		09/27/10	32.52	---	0.00	6945.29
		10/25/10	34.82	---	0.00	6942.99
		12/06/10	35.59	---	0.00	6942.22
		03/09/11	36.76	---	0.00	6941.05
		06/14/11	37.11	---	0.00	6940.70
		10/03/11	33.31	---	0.00	6944.50
		01/03/12	30.56	---	0.00	6947.25
		04/09/12	29.38	---	0.00	6948.43
	6975.05 j	07/16/12	28.85	---	0.00	6948.96
		10/08/12	26.25	---	0.00	6951.56
		01/07/13	25.75	---	0.00	6952.06
		04/01/13	25.81	---	0.00	6952.00
		06/24/13	25.75	---	0.00	6952.06
		09/17/13	25.09	---	0.00	6952.72
		12/16/13	24.80	---	0.00	6953.01
		01/20/13	24.75	---	0.00	6953.06
		02/10/13	24.61	---	0.00	6953.20
		04/07/13	24.93	---	0.00	6952.88
		07/14/13	23.98	---	0.00	6953.83
		12/14/16	23.20	---	0.00	6954.61
		08/14/17	23.25	---	0.00	6954.56
SFCMW-10	6980.85	08/17/09	28.93	28.70	0.23	6952.09
		03/23/10	29.05	27.58	1.47	6952.90
		12/06/10 through 08/08/11	Dry			
		08/22/11	38.30	---	0.00	6942.55
		09/06/11	37.89	---	0.00	6942.96
		09/19/11	37.30	---	0.00	6943.55
		10/03/11	36.73	---	0.00	6944.12

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-10 (cont.)	6980.85	10/17/11	36.36	---	0.00	6944.49
		11/01/11	35.75	---	0.00	6945.10
		11/15/11	35.35	---	0.00	6945.50
		01/03/12	34.33	---	0.00	6946.52
		04/09/12	33.11	---	0.00	6947.74
		07/16/12	32.54	---	0.00	6948.31
		10/08/12	32.16	---	0.00	6948.69
	6980.50 j	01/07/13	31.25	---	0.00	6949.25
		04/01/13	31.25	---	0.00	6949.25
		06/24/13	31.21	---	0.00	6949.29
		07/20/13	31.02	---	0.00	6949.48
		07/25/13	31.10	---	0.00	6949.40
		08/08/13	31.05	---	0.00	6949.45
		08/22/13	30.90	---	0.00	6949.60
		09/17/13	30.65	---	0.00	6949.85
		09/26/13	30.70	---	0.00	6949.80
		10/10/13	30.50	---	0.00	6950.00
		10/24/13	30.49	---	0.00	6950.01
		11/07/13	30.40	---	0.00	6950.10
		11/14/13	30.30	---	0.00	6950.20
		11/26/13	30.60	---	0.00	6949.90
		12/16/13	30.20	---	0.00	6950.30
		01/20/14	30.10	---	0.00	6950.40
		02/10/14	30.05	---	0.00	6950.45
		04/09/14	30.30	---	0.00	6950.20
		07/17/14	29.70	---	0.00	6950.80
		09/25/14	29.42	---	0.00	6951.08
		10/27/15	25.11	---	0.00	6955.39
		04/05/16	27.62	---	0.00	6952.88
		12/14/16	28.30	---	0.00	6952.20
		08/14/17	28.42	---	0.00	6952.08
		02/20/18	28.95	---	0.00	6951.55
		08/08/18	29.48	---	0.00	6951.02
		02/22/19	29.20	---	0.00	6951.30
		09/23/19	28.25	---	0.00	6952.25
SFCMW-11	6977.91	08/17/09	25.71	---	0.00	6952.20
		11/07/09	25.74	---	0.00	6952.17
		03/23/10	25.24	25.23	0.01	6952.68

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-11 (cont.)	6977.91	09/27/10	33.29	33.28	0.01	6944.63
		10/25/10	Dry			
		12/06/10	Dry			
		03/09/11	34.52	---	0.00	6943.39
		06/14/11	33.61	---	0.00	6944.30
		10/03/11	33.54	---	0.00	6944.37
		01/03/12	30.71	---	0.00	6947.20
		04/09/12	30.16	---	0.00	6947.75
		07/16/12	29.56	---	0.00	6948.35
		10/08/12	29.09	---	0.00	6948.82
		01/07/13	28.75	---	0.00	6949.16
		04/01/13	28.65	---	0.00	6949.26
		06/24/13	28.60	---	0.00	6949.31
		09/17/13	28.14	---	0.00	6949.77
		12/16/13	27.70	---	0.00	6950.21
		01/20/14	27.60	---	0.00	6950.31
		02/10/14	27.54	---	0.00	6950.37
		04/08/14	27.74	---	0.00	6950.17
		07/14/14	27.10	---	0.00	6950.81
		10/27/15	23.60	---	0.00	6954.31
		04/06/16	25.44	---	0.00	6952.47
		12/14/16	26.02	---	0.00	6951.89
		08/14/17	26.15	---	0.00	6951.76
		02/19/18	26.38	---	0.00	6951.53
		08/08/18	26.86	---	0.00	6951.05
		02/20/19	26.78	---	0.00	6951.13
SFCMW-12	6977.87	08/17/09	25.73	---	0.00	6952.14
		11/07/09	25.76	---	0.00	6952.11
		03/23/10	25.23	---	0.00	6952.64
		09/27/10 through 10/03/11	Dry			
		01/03/12	30.81	---	0.00	6947.06
		04/09/12	30.07	---	0.00	6947.80
		07/16/12	29.35	---	0.00	6948.52
		10/08/12	28.96	---	0.00	6948.91
	6977.79	01/07/13	28.56	---	0.00	6949.23
		04/01/13	28.37	---	0.00	6949.42

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFCMW-12 (cont.)	6977.79 ^j	06/24/13	28.35	---	0.00	6949.44
		09/17/13	27.94	---	0.00	6949.85
		12/17/13	27.57	---	0.00	6950.22
		01/20/14	27.44	---	0.00	6950.35
		02/10/14	27.38	---	0.00	6950.41
		04/08/14	27.58	---	0.00	6950.21
		07/14/14	26.96	---	0.00	6950.83
		10/27/15	23.47	---	0.00	6954.32
		04/04/16	25.30	---	0.00	6952.49
		12/14/16	25.90	---	0.00	6951.89
		08/14/17	26.00	---	0.00	6951.79
		02/19/18	26.24	---	0.00	6951.55
		08/08/18	26.74	---	0.00	6951.05
		02/20/19	26.65	---	0.00	6951.14
SFRMW-01	6971.80	03/23/10	19.30	---	0.00	6952.50
		09/27/10	25.94	---	0.00	6945.86
		10/25/10 through 09/19/11	Dry			
		10/03/11	27.11	---	0.00	6944.69
		10/17/11	26.86	---	0.00	6944.94
		11/01/11	26.36	---	0.00	6945.44
		11/15/11	25.93	---	0.00	6945.87
		01/03/12	25.05	---	0.00	6946.75
		04/09/12	23.87	---	0.00	6947.93
		07/16/12	23.15	---	0.00	6948.65
		10/08/12	22.74	---	0.00	6949.06
		01/07/13	22.51	---	0.00	6949.29
		04/01/13	22.37	---	0.00	6949.43
		06/24/13	22.32	---	0.00	6949.48
		09/17/13	21.93	---	0.00	6949.87
		12/16/13	21.50	---	0.00	6950.30
		07/14/14	20.95	---	0.00	6950.85
SFRMW-01D	6972.05	09/27/10	25.60	---	0.00	6946.45
		10/25/10	27.01	---	Sheen	6945.04
		12/06/10	28.10	---	0.00	6943.95
		03/09/11	29.12	---	0.00	6942.93
		06/14/11	29.94	---	0.00	6942.11

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SFRMW-01D (cont.)	6972.05	10/03/11	27.11	---	0.00	6944.94
		01/03/12	25.63	---	0.00	6946.42
		04/09/12	23.98	---	0.00	6948.07
		07/16/12	23.15	---	0.00	6948.90
		10/08/12	22.90	---	0.00	6949.15
		01/07/13	22.42	---	0.00	6949.63
		04/01/13	22.50	---	0.00	6949.55
		06/24/13	22.55	---	0.00	6949.50
		09/17/13	22.22	---	0.00	6949.83
		12/16/13	21.32	---	0.00	6950.73
		07/14/14	20.95	---	0.00	6951.10
SFRMW-02	6976.74	09/27/10	26.71	---	0.00	6950.03
		10/25/10	27.35	---	0.00	6949.39
		12/06/10	28.36	---	0.00	6948.38
		03/09/11	29.46	---	0.00	6947.28
		06/14/11	Dry			
		10/03/11	28.00	---	0.00	6948.74
		01/03/12	27.82	---	0.00	6948.92
		04/09/12	27.38	---	0.00	6949.36
		07/16/12	26.36	---	0.00	6950.38
		10/08/12	25.64	---	0.00	6951.10
		01/07/13	26.56	---	0.00	6950.18
		04/01/13	26.50	---	0.00	6950.24
		06/24/13	26.00	---	0.00	6950.74
		09/17/13	25.70	---	0.00	6951.04
		12/16/13	25.90	---	0.00	6950.84
		01/20/14	25.95	---	0.00	6950.79
		02/10/14	25.93	---	0.00	6950.81
		04/07/14	25.98	---	0.00	6950.76
		07/14/14	23.79	---	0.00	6952.95
SVE-1	6982.01	07/10/09	30.07	29.62	0.45	6952.28
		07/17/09	29.95	---	0.00	6952.06
		07/20/09	29.82	---	0.00	6952.19
		08/06/09	29.84	29.80	0.04	6952.20
		08/18/09	29.90	29.78	0.12	6952.20
		09/14/09	30.24	29.68	0.56	6952.19
		09/29/09	30.09	29.64	0.45	6952.26
		11/08/09	30.01	29.44	0.57	6952.43

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-1 (cont.)	6982.01	11/13/09	29.96	29.39	0.57	6952.48
		03/23/10	29.15	29.09	0.06	6952.91
	6981.91 ^e	09/27/10	Not gauged or sampled			
		12/06/10	Dry			
		10/03/11	37.62	---	0.00	6944.29
		01/03/12	32.13	---	0.00	6949.78
		04/09/12	31.98	---	0.00	6949.93
		07/16/12	31.38	---	0.00	6950.53
		10/08/12	31.41	---	0.00	6950.50
		01/07/13	31.82	---	0.00	6950.09
		04/01/13	32.37	---	0.00	6949.54
		06/24/13	32.20	---	0.00	6949.71
		07/20/13	32.04	---	0.00	6949.87
		09/17/13	31.75	---	0.00	6950.16
		11/07/13	31.50	---	0.00	6950.41
		12/16/13	31.75	---	0.00	6950.16
		01/20/14	31.45	---	0.00	6950.46
		02/10/14	31.43	---	0.00	6950.48
		04/08/14	31.61	---	0.00	6950.30
		07/14/14	31.08	---	0.00	6950.83
		09/26/14	29.92	---	0.00	6951.99
		10/26/15	24.59	---	0.00	6957.32
		04/04/16	28.70	---	0.00	6953.21
		12/14/16	29.29	---	0.00	6952.62
		08/14/17	29.03	---	0.00	6952.88
		02/21/18	30.09	---	0.00	6951.82
		08/09/18	30.76	---	0.00	6951.15
		02/21/19	30.39	---	0.00	6951.52
		09/23/19	29.44	---	0.00	6952.47
SVE-2	6980.80	10/05/09	28.76	---	0.00	6952.04
		11/08/09	28.52	---	0.00	6952.28
		03/23/10	27.96	---	0.00	6952.84
		09/28/10 through 10/03/11	Dry			
		01/03/12	34.37	---	0.00	6946.43
		04/09/12	33.17	---	0.00	6947.63
		07/16/12	32.58	---	0.00	6948.22

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-2 (cont.)	6980.80	10/08/12	32.00	---	0.00	6948.80
		01/07/13	31.54	---	0.00	6949.26
		04/01/13	31.56	---	0.00	6949.24
		06/24/13	31.52	---	0.00	6949.28
		07/25/13	31.40	---	0.00	6949.40
		08/08/13	31.30	---	0.00	6949.50
		08/22/13	31.30	---	0.00	6949.50
		09/17/13	31.00	---	0.00	6949.80
		09/26/13	30.90	---	0.00	6949.90
		10/10/13	30.80	---	0.00	6950.00
		10/24/13	30.80	---	0.00	6950.00
		11/14/13	30.30	---	0.00	6950.50
		11/26/13	30.90	---	0.00	6949.90
		12/16/13	30.50	---	0.00	6950.30
		01/20/14	30.40	---	0.00	6950.40
		02/10/14	30.42	---	0.00	6950.38
		04/08/14	30.75	---	0.00	6950.05
		07/14/14	30.06	---	0.00	6950.74
		09/25/14	29.63	---	0.00	6951.17
		10/27/15	25.54	---	0.00	6955.26
		04/04/16	27.99	---	0.00	6952.81
		12/14/16	28.59	---	0.00	6952.21
		08/14/17	28.62	---	0.00	6952.18
		02/21/18	29.40	---	0.00	6951.40
		08/09/18	29.84	---	0.00	6950.96
		02/21/19	29.59	---	0.00	6951.21
SVE-3	6981.10	10/04/09	29.05	---	0.00	6952.05
		11/08/09	28.81	---	0.00	6952.29
		03/23/10	29.35	27.90	1.45	6952.84
	6980.98 ^e	09/27/10	Not gauged or sampled			
		12/06/10	Dry			
		10/03/11	37.01	36.40	0.61	6944.43
		10/17/11	33.98	33.90	0.08	6947.06
		11/01/11	34.43	---	Sheen	6946.55
		11/15/11	34.06	34.03	0.03	6946.94
		11/28/11	33.28	33.25	0.03	6947.72
		01/03/12	32.39	32.38	0.01	6948.60
		04/09/12	31.68	31.66	0.02	6949.32

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-3 (cont.)	6980.98 ^e	07/16/12	30.38	30.36	0.02	6950.62
		10/08/12	32.07	32.00	0.07	6948.96
		01/07/13	31.58	---	Sheen	6949.40
		04/01/13	31.70	---	Sheen	6949.28
		06/24/13	31.83	---	Sheen	6949.15
		07/20/13	31.47	---	0.00	6949.51
		09/17/13	31.20	---	0.00	6949.78
		10/10/13	31.40	---	0.00	6949.58
		11/07/13	31.40	---	0.00	6949.58
		12/16/13	29.80	---	0.00	6951.18
		01/20/14	29.81	---	0.00	6951.17
		02/10/14	30.67	---	0.00	6950.31
		04/08/14	31.00	---	0.00	6949.98
		07/14/14	30.27	---	0.00	6950.71
		09/26/14	29.84	---	0.00	6951.14
		10/27/15	26.63	---	0.00	6954.35
		04/04/16	27.94	---	0.00	6953.04
		12/15/16	28.54	---	0.00	6952.44
		08/14/17	28.66	---	0.00	6952.32
		02/21/18	29.44	---	0.00	6951.54
		08/10/18	29.02	---	0.00	6951.96
		02/22/19	29.69	---	0.00	6951.29
		09/25/19	28.68	---	0.00	6952.30
SVE-4	6984.66	11/08/09	21.07	---	0.00	6963.59
		11/13/09	21.05	---	0.00	6963.61
		03/23/10	22.19	---	0.00	6962.47
		09/28/10	20.61	---	0.00	6964.05
		12/06/10	20.94	---	0.00	6963.72
		03/09/11	21.90	---	0.00	6962.76
		06/14/11	23.06	---	0.00	6961.60
		10/03/11	20.76	---	0.00	6963.90
		01/03/12	21.01	---	0.00	6963.65
		04/09/12	22.48	---	0.00	6962.18
		07/16/12	21.79	---	0.00	6962.87
		10/08/12	20.66	---	0.00	6964.00
		01/07/13	21.10	---	0.00	6963.56
		04/01/13	22.65	---	0.00	6962.01
		06/24/13	22.86	---	0.00	6961.80

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-4 (cont.)	6984.66	07/20/13	22.34	---	0.00	6962.32
		09/17/13	21.50	---	0.00	6963.16
		11/07/13	20.85	---	0.00	6963.81
		12/16/13	21.30	---	0.00	6963.36
		01/20/14	21.93	---	0.00	6962.73
		02/10/14	22.30	---	0.00	6962.36
		04/07/14	23.65	---	0.00	6961.01
		07/14/14	22.80	---	0.00	6961.86
		10/26/15	19.39	---	0.00	6965.27
		04/07/16	21.21	---	0.00	6963.45
		12/15/16	Ozone emitter stuck in well			
		08/14/17	Ozone emitter stuck in well			
		08/08/18	Ozone emitter stuck in well			
		02/21/19	Ozone emitter stuck in well			
SVE-5	6982.69	11/08/09	30.40	30.38	0.02	6952.31
		03/23/10	31.29	29.45	1.84	6952.78
		09/27/10	Not gauged or sampled			
		11/17/10	40.05	---	0.00	6942.64
		12/06/10 through 06/14/11	Dry			
		10/03/11	38.91	---	0.00	6943.78
		01/03/12	36.46	---	0.00	6946.23
		04/09/12	35.12	---	0.00	6947.57
		07/16/12	34.48	---	0.00	6948.21
		10/08/12	33.90	---	0.00	6948.79
		01/07/13	33.41	---	0.00	6949.28
		04/01/13	33.33	---	0.00	6949.36
		06/24/13	33.38	---	0.00	6949.31
		09/17/13	32.95	---	0.00	6949.74
		12/16/13	32.20	---	0.00	6950.49
		01/20/14	32.21	---	0.00	6950.48
		02/10/14	32.02	---	0.00	6950.67
		04/08/14	33.22	---	0.00	6949.47
		07/14/14	31.81	---	0.00	6950.88
		10/26/15	26.25	---	0.00	6956.44
		04/05/16	29.65	---	0.00	6953.04
		12/14/16	29.86	---	0.00	6952.83

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-5 (cont.)	6982.69	08/14/17	29.93	---	0.00	6952.76
		02/21/18	NM	---	0.00	NM
		08/08/18	31.21	---	0.00	6951.48
		02/21/19	30.77	---	0.00	6951.92
SVE-6	6982.50	09/27/10	Not gauged or sampled			
		12/07/10 through 10/03/11	Dry			
		01/03/12	34.80	---	0.00	6947.70
		04/09/12	33.92	---	0.00	6948.58
		07/16/12	32.75	---	0.00	6949.75
		10/08/12	33.71	---	0.00	6948.79
		01/07/13	32.53	---	0.00	6949.97
		04/01/13	33.15	---	0.00	6949.35
		06/24/13	33.27	---	0.00	6949.23
		07/20/13	33.09	---	0.00	6949.41
		09/17/13	32.80	---	0.00	6949.70
		11/07/13	32.40	---	0.00	6950.10
		12/16/13	32.20	---	0.00	6950.30
		01/20/14	32.42	---	0.00	6950.08
		02/10/14	32.10	---	0.00	6950.40
		04/07/14	32.48	---	0.00	6950.02
		07/14/14	31.78	---	0.00	6950.72
		10/28/15	Well blocked			
		04/07/16	29.61	---	0.00	6952.89
		12/16/16	30.31	---	0.00	6952.19
		02/21/18	30.94	---	0.00	6951.56
		08/08/18	31.44	---	0.00	6951.06
		02/21/19	Well blocked			
SVE-7	6983.01	09/27/10	Not gauged or sampled			
		12/06/10 through 10/03/11	Dry			
		01/03/12	34.74	---	0.00	6948.27
		04/09/12	33.85	---	0.00	6949.16
		07/16/12	33.21	---	0.00	6949.80
		10/08/12	34.20	---	0.00	6948.81
		01/07/13	32.49	---	0.00	6950.52

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-7 (cont.)	6983.01	04/01/13	32.18	---	0.00	6950.83
		06/24/13	33.59	---	0.00	6949.42
		09/17/13	33.20	---	0.00	6949.81
		12/16/13	32.70	---	0.00	6950.31
		01/20/14	32.68	---	0.00	6950.33
		02/10/14	32.51	---	0.00	6950.50
		04/07/14	32.71	---	0.00	6950.30
		07/14/14	32.18	---	0.00	6950.83
		10/28/15	Well blocked			
		04/07/16	30.01	---	0.00	6953.00
		12/16/16	30.71	---	0.00	6952.30
		08/14/17	Well blocked			
		02/21/18	Well blocked			
		08/08/18	31.86	---	0.00	6951.15
		02/21/19	31.62	---	0.00	6951.39
SVE-8	6980.08	10/25/09	27.98	---	0.00	6952.10
		03/23/10	27.55	---	0.00	6952.53
		09/28/10 through 10/03/11	Dry			
		01/03/12	33.55	---	0.00	6946.53
		04/09/12	32.32	---	0.00	6947.76
		07/16/12	31.71	---	0.00	6948.37
		10/08/12	31.23	---	0.00	6948.85
		01/07/13	30.85	---	0.00	6949.23
		04/01/13	30.37	---	0.00	6949.71
		06/24/13	30.63	---	0.00	6949.45
		09/17/13	30.21	---	0.00	6949.87
		12/16/13	29.43	---	0.00	6950.65
		01/20/14	29.62	---	0.00	6950.46
		02/10/14	29.60	---	0.00	6950.48
		04/07/14	29.90	---	0.00	6950.18
		07/14/14	28.25	---	0.00	6951.83
		10/26/15	25.59	---	0.00	6954.49
		04/06/16	27.42	---	0.00	6952.66
		12/15/16	28.06	---	0.00	6952.02
		08/14/17	27.70	---	0.00	6952.38
		02/20/18	28.52	---	0.00	6951.56

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-8 (cont.)	6980.08	08/08/18	29.00	---	0.00	6951.08
		02/20/19	28.86	---	0.00	6951.22
SVE-9	6978.26	10/24/09	26.39	26.24	0.15	6951.98
		10/31/09	27.66	25.72	1.94	6952.06
		11/07/09	27.42	25.82	1.60	6952.04
		03/23/10	26.65	25.41	1.24	6952.54
	6978.13 ^e	09/27/10	Not gauged or sampled			
		12/06/10	Dry			
		10/03/11	Sump water			
		01/03/12	29.82	---	0.00	6948.31
		04/09/12	30.70	---	0.00	6947.43
		07/16/12	29.98	---	0.00	6948.15
		10/08/12	29.21	---	0.00	6948.92
		01/07/13	29.03	---	0.00	6949.10
		04/01/13	29.01	---	0.00	6949.12
		06/24/13	28.80	---	0.00	6949.33
		09/17/13	28.20	---	0.00	6949.93
		12/16/13	27.87	---	0.00	6950.26
		01/20/14	27.75	---	0.00	6950.38
		02/10/14	27.50	---	0.00	6950.63
		04/10/14	27.98	---	0.00	6950.15
		07/14/14	23.25	---	0.00	6954.88
		10/26/15	23.87	---	0.00	6954.26
		04/07/16	25.57	---	0.00	6952.56
		12/15/16	26.12	---	0.00	6952.01
		08/14/17	26.24	---	0.00	6951.89
		08/08/18	27.04	---	0.00	6951.09
		02/20/19	26.93	---	0.00	6951.20
SVE-10D	6980.49 ^f	12/07/10	37.27	---	0.00	6943.22
		03/09/11	38.92	---	0.00	6941.57
		06/14/11	38.73	---	0.00	6941.76
		07/18/11	36.53	---	0.00	6943.96
		07/22/11	36.67	---	0.00	6943.82
		07/25/11	36.86	---	0.00	6943.63
		08/01/11	37.31	---	0.00	6943.18
		08/08/11	36.45	---	0.00	6944.04
		08/22/11	37.75	---	0.00	6942.74
		09/06/11	35.90	---	0.00	6944.59

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-10D (cont.)	6980.49 ^f	09/19/11	36.50	---	0.00	6943.99
		10/03/11	36.12	---	0.00	6944.37
		10/17/11	33.82	---	0.00	6946.67
		11/01/11	35.47	---	0.00	6945.02
		11/15/11	34.75	---	0.00	6945.74
		01/03/12	33.40	---	0.00	6947.09
		04/09/12	32.81	---	0.00	6947.68
		07/16/12	32.16	---	0.00	6948.33
	6979.49 ^{f,g}	10/08/12	29.92	---	0.00	6949.57
		01/07/13	29.94	---	0.00	6949.55
		04/01/13	30.26	---	0.00	6949.23
		06/24/13	30.19	---	0.00	6949.30
		09/17/13	29.75	---	0.00	6949.74
		12/16/13	29.30	---	0.00	6950.19
		01/20/14	29.07	---	0.00	6950.42
		02/10/14	29.20	---	0.00	6950.29
	6979.06 ^m	04/07/14	29.29	---	0.00	6950.20
		07/14/14	28.24	---	0.00	6950.82
		10/26/15	24.59	---	0.00	6954.47
		04/07/16	27.40	---	0.00	6951.66
		12/16/16	28.89	---	0.00	6950.17
		08/14/17	27.13	---	0.00	6951.93
		02/19/18	27.42	---	0.00	6951.64
		08/08/18	27.94	---	0.00	6951.12
		02/20/19	Well blocked			
SVE-11D	6981.57 ^f	12/06/10	41.16	---	0.00	6940.41
		03/09/11	40.95	---	0.00	6940.62
		06/14/11	40.32	---	0.00	6941.25
		07/18/11	39.60	---	0.00	6941.97
		07/22/11	40.08	---	0.00	6941.49
		07/25/11	40.05	---	0.00	6941.52
		08/01/11	40.44	---	0.00	6941.13
		08/08/11	38.90	---	0.00	6942.67
		08/22/11	39.40	---	0.00	6942.17
		09/06/11	37.80	---	0.00	6943.77
		09/19/11	38.44	---	0.00	6943.13
		10/03/11	37.72	---	0.00	6943.85
		10/17/11	36.81	---	0.00	6944.76

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
SVE-11D (cont.)	6981.57 ^f	11/01/11	34.47	---	0.00	6947.10
		11/15/11	36.10	---	0.00	6945.47
		01/03/12	34.23	---	0.00	6947.34
		04/09/12	33.97	---	0.00	6947.60
		07/16/12	32.90	---	0.00	6948.67
		10/08/12	32.75	---	0.00	6948.82
		01/07/13	31.45	---	0.00	6950.12
		04/01/13	32.11	---	0.00	6949.46
		06/24/13	32.28	---	0.00	6949.29
		07/25/13	32.18	---	0.00	6949.39
		08/08/13	32.10	---	0.00	6949.47
		08/22/13	32.02	---	0.00	6949.55
		09/17/13	31.80	---	0.00	6949.77
		09/26/13	31.80	---	0.00	6949.77
		10/10/13	31.70	---	0.00	6949.87
		10/24/13	31.55	---	0.00	6950.02
		11/14/13	31.30	---	0.00	6950.27
		11/26/13	31.50	---	0.00	6950.07
		12/16/13	31.25	---	0.00	6950.32
		01/20/14	31.10	---	0.00	6950.47
		02/10/14	31.10	---	0.00	6950.47
		04/07/14	31.34	---	0.00	6950.23
		07/14/14	30.77	---	0.00	6950.80
		10/26/15	25.87	---	0.00	6955.70
		04/05/16	28.59	---	0.00	6952.98
		12/15/16	29.23	---	0.00	6952.34
		08/15/17	29.35	---	0.00	6952.22
		02/21/18	30.10	---	0.00	6951.47
		08/08/18	30.58	---	0.00	6950.99
		02/22/19	30.23	---	0.00	6951.34
		09/23/19	29.32	---	0.00	6952.25
TBAMW-03	6981.08 ^k	03/24/14	26.90	---	0.00	6954.18
		04/07/14	26.10	---	0.00	6954.98
		07/14/14	25.93	---	0.00	6955.15
TMW-06	6962.99	04/01/13	13.75	---	0.00	6949.24
		06/24/13	13.61	---	0.00	6949.38
		09/17/13	13.18	---	0.00	6949.81
		12/16/13	12.70	---	0.00	6950.29

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
TMW-06 (cont.)	6962.99	01/20/14	12.66	---	0.00	6950.33
		02/10/14	12.60	---	0.00	6950.39
		04/07/14	12.76	---	0.00	6950.23
		07/14/14	12.18	---	0.00	6950.81
		10/28/15	Not gauged			
		12/14/15	Not gauged			
TMW-06D	6963.08	04/01/13	13.82	---	0.00	6949.26
		06/24/13	13.70	---	0.00	6949.38
		09/17/13	13.12	---	0.00	6949.96
		12/16/13	12.73	---	0.00	6950.35
		01/20/14	12.74	---	0.00	6950.34
		02/10/14	12.65	---	0.00	6950.43
		04/07/14	12.85	---	0.00	6950.23
		07/14/14	12.18	---	0.00	6950.90
		10/28/15	Not gauged			
		12/14/15	Not gauged			
TWN-1	6976.74 ^k	03/24/14	26.41	---	0.00	6950.33
		04/07/14	26.55	---	0.00	6950.19
		07/14/14	25.86	---	0.00	6950.88
		10/26/15	23.02	---	0.00	6953.72
		04/04/16	23.75	---	0.00	6952.99
		12/14/16	24.67	---	0.00	6952.07
		08/14/17	24.91	---	0.00	6951.83
		02/19/18	25.23	---	0.00	6951.51
		08/08/18	25.62	---	0.00	6951.12
		02/20/19	25.55	---	0.00	6951.19
TWN-2	6977.55 ^k	03/24/14	27.22	---	0.00	6950.33
		04/07/14	27.34	---	0.00	6950.21
		07/14/14	26.66	---	0.00	6950.89
		09/24/14	26.57	---	0.00	6950.98
		10/26/15	23.31	---	0.00	6954.24
		04/04/16	25.01	---	0.00	6952.54
		12/14/16	25.52	---	0.00	6952.03
		08/14/17	25.69	---	0.00	6951.86
		02/20/18	26.45	---	0.00	6951.10
		08/08/18	25.99	---	0.00	6951.56
		02/20/19	26.37	---	0.00	6951.18
		09/24/19	25.38	---	0.00	6952.17

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
TWN-3	6977.16 ^k	03/24/14	26.86	---	0.00	6950.30
		04/07/14	27.04	---	0.00	6950.12
		07/14/14	26.29	---	0.00	6950.87
		09/24/14	26.21	---	0.00	6950.95
		10/26/15	27.85	---	0.00	6949.31
		04/06/16	24.61	---	0.00	6952.55
		12/14/16	25.14	---	0.00	6952.02
		08/14/17	26.35	---	0.00	6950.81
		02/20/18	25.56	---	0.00	6951.60
		08/08/18	26.10	---	0.00	6951.06
		02/20/19	26.01	---	0.00	6951.15
		09/23/19	25.02	---	0.00	6952.14
TWS-1	6979.93 ^k	03/24/14	29.65	---	0.00	6950.28
		04/07/14	29.78	---	0.00	6950.15
		07/14/14	29.11	---	0.00	6950.82
		09/25/14	28.77	---	0.00	6951.16
		10/27/15	24.67	---	0.00	6955.26
		04/06/16	27.21	---	0.00	6952.72
		12/14/16	27.77	---	0.00	6952.16
		08/14/17	29.32	---	0.00	6950.61
		02/21/18	28.49	---	0.00	6951.44
		08/09/18	28.83	---	0.00	6951.10
		02/22/19	28.61	---	0.00	6951.32
		09/23/19	27.64	---	0.00	6952.29
TWS-2	6984.35 ^k	03/24/14	33.90	---	0.00	6950.45
		04/07/14	34.00	---	0.00	6950.35
		07/14/14	33.73	---	0.00	6950.62
		10/27/15	29.23	---	0.00	6955.12
		04/07/16	31.02	---	0.00	6953.33
		12/14/16	31.90	---	0.00	6952.45
		08/14/17	31.24	---	0.00	6953.11
		02/21/18	32.50	---	0.00	6951.85
		08/08/18	33.36	---	0.00	6950.99
		02/21/19	31.78	---	0.00	6952.57
TWS-3	6982.51 ^k	03/24/14	32.23	---	0.00	6950.28
		04/07/14	32.31	---	0.00	6950.20
		07/14/14	32.02	---	0.00	6950.49
		10/27/15	27.51	---	0.00	6955.00

**TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Name	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
TWS-3 (cont.)	6982.51 ^k	04/07/16	29.30	---	0.00	6953.21
		12/14/16	30.28	---	0.00	6952.23
		08/14/17	29.98	---	0.00	6952.53
		02/21/18	30.86	---	0.00	6951.65
		08/08/18	31.65	---	0.00	6950.86
		02/21/19	31.14	---	0.00	6951.37
TWS-4	6982.74 ^k	03/24/14	32.40	---	0.00	6950.34
		04/07/14	32.57	---	0.00	6950.17
		07/14/14	32.05	---	0.00	6950.69
		09/24/14	31.41	---	0.00	6951.33
		10/27/15	26.64	---	0.00	6956.10
		04/05/16	29.34	---	0.00	6953.40
		12/14/16	29.78	---	0.00	6952.96
		08/14/17	29.32	---	0.00	6953.42
		02/21/18	31.02	---	0.00	6951.72
		08/09/18	31.80	---	0.00	6950.94
		02/21/19	31.25	---	0.00	6951.49
		09/24/19	30.30	---	0.00	6952.44

Notes:

^a Surveyed by Surveying Control, November, 2009, unless otherwise noted.

^b Groundwater elevation (GWE) corrected for NAPL thickness using the following equation:

$$\text{GWE} = \text{Top of casing elevation} - (\text{depth to water} - (\text{NAPL thickness} \times 0.75)).$$

^c Data provided by Intera, August 25, 2009.

^d Cannot be determined due to unknown top of casing elevation.

^e Surveyed by Surveying Control, August, 2010.

^f Surveyed by Surveying Control, December, 2010.

^g Survey completed with former remediation system. Elevation reduced due to removal of appurtenances.

^h Surveyed by Surveying Control, February 2012.

ⁱ Surveyed by Wayjohn Surveying, Inc., February 2013.

^k Surveyed by Surveying Control, Inc., April, 2014.

^m Surveyed by Surveying Control, Inc., August, 2014.

ft msl = Feet above mean sea level

ft btoc = Feet below top of casing

NAPL = Non-aqueous phase liquid

NA = Not available

NM = Not measured

**TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
SANTA FE JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Number	Date Sampled	SpC (μS/cm)	Temp (°C)	pH	DO (mg/L)	ORP (mV)
CMW-1	02/20/18	965	11.8	7.35	NM	NM
	08/09/18	1,302	18.3	7.24	NM	NM
	02/21/19	1,247	12.1	7.69	NM	NM
	09/24/19	2,086	17.4	7.04	3.01	-55.9
CMW-2	02/20/18	1,355	11.0	7.06	NM	NM
	02/21/19	NM	NM	NM	NM	NM
CMW-3R	02/20/18	1,824	14.5	6.94	NM	NM
	08/09/18	1,242	18.4	7.14	NM	NM
	02/21/19	2,194	12.4	7.14	NM	NM
	09/24/19	3,293	16.7	6.79	4.39	16.8
CMW-4	02/20/18	1,643	12.6	7.45	NM	NM
	08/09/18	1,251	18.4	7.14	NM	NM
	02/21/19	2,197	14.9	7.35	NM	NM
	09/23/19	2,451	17.6	6.86	2.49	-4.4
CMW-5	02/21/18	NM	NM	NM	NM	NM
	02/21/19	NM	NM	NM	NM	NM
MW-1R	02/20/18	2,747	13.0	6.94	NM	NM
	08/09/18	2,703	17.7	6.89	NM	NM
	02/21/19	3,233	8.3	6.87	NM	NM
	09/24/19	3,798	17.3	6.58	0.00	-127.4
MW-2	02/21/18	7,110	14.0	6.95	NM	NM
	02/22/19	NM	NM	NM	NM	NM
MW-4R	02/21/18	2,379	13.7	7.33	NM	NM
	02/21/19	2,020	9.4	7.03	NM	NM
	09/24/19	1,754	16.5	6.68	0.05	-58.3
MW-5	02/22/18	746	13.5	7.53	NM	NM
	08/09/18	1,270	17.5	6.81	NM	NM
	02/21/19	1,112	13.5	7.34	NM	NM
MW-6	02/20/18	NM	15.7	6.54	NM	NM
	08/09/18	902	18.0	6.82	NM	NM
	02/22/19	1,080	11.9	7.12	NM	NM
	09/23/19	1,053	16.5	6.86	1.41	-72.6
MW-7	02/20/18	515	13.6	7.15	NM	NM
	08/09/18	412	18.1	6.71	NM	NM
	02/21/19	578	9.8	7.80	NM	NM

**TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
SANTA FE JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Number	Date Sampled	SpC (μS/cm)	Temp (°C)	pH	DO (mg/L)	ORP (mV)
MW-8	02/20/18	1,162	13.7	7.15	NM	NM
	02/22/19	NM	NM	NM	NM	NM
MW-9	02/20/18	1,053	12.6	7.48	NM	NM
	02/22/19	NM	NM	NM	NM	NM
MW-10	02/20/18	579	12.5	7.70	NM	NM
	02/22/19	NM	NM	NM	NM	NM
MW-11	02/22/18	1,178	14.5	11.28*	NM	NM
	08/08/18	1,373	19.4	11.60*	NM	NM
	02/20/19	952	10.3	9.87	NM	NM
	09/23/19	1,093	17.4	7.73	0.03	-78.4
MW-12	02/22/18	859	12.11	7.88	NM	NM
	02/20/19	NM	NM	NM	NM	NM
MW-13	02/19/18	742	15.3	7.91	NM	NM
	08/08/18	114	17.5	7.06	NM	NM
	02/20/19	1,334	14.6	7.56	NM	NM
MW-14	02/22/18	2,090	15.9	12.00*	NM	NM
	08/08/18	1,043	17.6	7.60	NM	NM
	02/20/19	1,362	14.8	7.00	NM	NM
MW-15	02/19/17	1,092	15.8	7.05	NM	NM
	08/08/18	1,202	17.1	6.95	NM	NM
	02/20/19	1,132	13.8	7.42	NM	NM
	09/24/19	1,126	15.6	7.13	3.91	75.6
MW-17	02/22/18	1,550	15.6	7.09	NM	NM
	02/22/19	NM	NM	NM	NM	NM
MW-18	02/21/18	2,058	13.9	7.26	NM	NM
	08/09/18	1,851	21.1	7.18	NM	NM
	02/22/19	2,036	14.2	7.36	NM	NM
MW-19	02/21/18	3,692	15.4	7.15	NM	NM
	02/22/19	NM	NM	NM	NM	NM
MW-20	02/21/18	763	13.2	7.77	NM	NM
	08/09/18	743	17.2	7.69	NM	NM
	02/21/19	790	13.3	7.44	NM	NM
SFCMW-01	02/20/18	1,384	15.9	13.84	NM	NM
	08/09/18	1,419	17.3	7.01	NM	NM
	02/21/19	1,308	16.5	7.03	NM	NM
	09/23/19	1,398	17.4	6.94	0.00	-168.9

**TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
SANTA FE JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Number	Date Sampled	SpC (μS/cm)	Temp (°C)	pH	DO (mg/L)	ORP (mV)
SFCMW-02	02/20/18	1,087	15.7	7.01	NM	NM
	08/09/18	1,163	18.6	7.08	NM	NM
	02/21/19	1,065	16.1	6.93	NM	NM
	10/25/19	837.7	14.7	7.01	2.69	88
SFCMW-03	02/20/18	930	14.9	7.08	NM	NM
	08/09/18	1,074	19.4	7.00	NM	NM
	02/21/19	1,084	14.6	7.89	NM	NM
	10/25/19	989.3	15.9	7.31	2.78	102
SFCMW-06	02/20/18	1,450	15.4	7.54	NM	NM
	08/08/18	1,459	22.3	7.56	NM	NM
	02/21/19	1,492	14.6	7.56	NM	NM
SFCMW-07	02/19/18	801	16.2	7.47	NM	NM
	08/08/18	730	21.0	7.36	NM	NM
	02/20/19	934	10.8	6.57	NM	NM
	09/24/19	802	15.5	7.31	0.74	68.1
SFCMW-08	02/20/18	3,800	15.3	7.68	NM	NM
	02/22/19	NM	NM	NM	NM	NM
SFCMW-10	02/20/18	NM	NM	NM	NM	NM
	08/08/18	1,371	23.3	6.52	NM	NM
	02/22/19	1,346	13.8	7.45	NM	NM
	09/23/19	1,418	18.2	6.42	0.05	21.1
SFCMW-11	02/19/18	6,950	15.9	6.95	NM	NM
	08/08/18	1,271	18.7	7.11	NM	NM
	02/20/19	950	14.1	6.38	NM	NM
SFCMW-12	02/19/18	2,455	15.5	7.04	NM	NM
	08/08/18	2,556	16.3	6.94	NM	NM
	02/20/19	1,942	13.0	5.97	NM	NM
SVE-1	02/21/18	6,930	13.7	12.73*	NM	NM
	08/10/18	1,048	17.6	7.19	NM	NM
	02/22/19	2,067	14.2	6.84	NM	NM
	09/23/19	2,396	17.5	6.70	1.53	20.4
SVE-2	02/21/18	NM	NM	NM	NM	NM
	08/09/18	2,427	18.5	6.82	NM	NM
	02/21/19	>3999	12.6	6.93	NM	NM
SVE-3	02/21/18	3,193	15.9	6.81	NM	NM
	08/10/18	2,686	18.9	6.99	NM	NM

**TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
SANTA FE JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Number	Date Sampled	SpC (μS/cm)	Temp (°C)	pH	DO (mg/L)	ORP (mV)
SVE-3 (cont.)	02/22/19	1,730	15.2	6.42	NM	NM
	09/25/19	1,608	16.7	6.49	0.07	-117.28
SVE-5	02/21/18	NM	NM	NM	NM	NM
	02/22/19	NM	NM	NM	NM	NM
SVE-6	02/21/18	1,021	14.5	7.03	NM	NM
	02/22/18	NM	NM	NM	NM	NM
SVE-7	02/21/18	NM	NM	NM	NM	NM
	02/22/18	NM	NM	NM	NM	NM
SVE-8	02/20/18	2,550	14.5	7.38	NM	NM
	02/22/19	NM	NM	NM	NM	NM
SVE-9	02/20/18	NM	NM	NM	NM	NM
	02/22/19	NM	NM	NM	NM	NM
SVE-10D	02/19/18	865	15.3	7.60	NM	NM
	02/22/19	NM	NM	NM	NM	NM
SVE-11D	02/21/18	1,874	14.9	7.82	NM	NM
	02/22/19	NM	NM	NM	NM	NM
	09/23/19	2,107	17.5	6.58	2.60	50.2
TWN-1	02/19/18	2,111	15.8	6.92	NM	NM
	08/08/18	1,786	17.3	6.77	NM	NM
	02/20/19	2,064	12.3	6.11	NM	NM
TWN-2	02/20/18	1,591	15.5	11.70*	NM	NM
	08/08/18	650	16.6	9.60	NM	NM
	02/21/19	1,566	14.3	7.04	NM	NM
	09/24/19	1,503	16.5	7.11	0.09	38.5
TWN-3	02/19/18	1,599	15.9	7.94	NM	NM
	08/08/18	1,470	18.1	7.21	NM	NM
	02/20/19	1,637	12.1	7.63	NM	NM
	09/23/19	1,952	16.4	6.75	5.68	103.4
TWS-1	02/21/18	2,989	13.6	7.02	NM	NM
	08/09/18	2,097	20.8	6.93	NM	NM
	02/22/19	2,087	14.4	7.28	NM	NM
	09/23/19	2,015	16.9	6.88	2.86	58.2
TWS-2	02/21/18	1,043	12.8	7.48	NM	NM
	02/22/19	NM	NM	NM	NM	NM
TWS-3	02/21/18	1,089	13.5	7.51	NM	NM
	02/22/19	NM	NM	NM	NM	NM

**TABLE 2. SUMMARY OF GROUNDWATER FIELD PARAMETERS
SANTA FE JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Well Number	Date Sampled	SpC (μS/cm)	Temp (°C)	pH	DO (mg/L)	ORP (mV)
TWS-4	02/21/18	926	13.5	10.69*	NM	NM
	08/09/18	673	17.6	9.93*	NM	NM
	02/21/19	1,186	12.8	8.41	NM	NM
	09/24/19	1,652	17.9	6.64	0.00	-56.4
Notes: SpC = Specific conductivity measured in microsiemens per centimeter (μs/cm) Temp = Temperature in degrees Celcius DO = Dissolved oxygen measured in milligrams per liter (mg/L) ORP = Oxidation reduction potential measured in millivolts (mV) NM = Not Measured. * ORC-A in well prior to purging and sampling						

**TABLE 3. ANALYSES, PRESERVATION, HOLDING TIMES, AND HANDLING
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Analyses	Method	Container	Preservative	Holding Time	Handling
VOCs	EPA 8260B	3 x 40-mL glass no headspace	HgCl ₂	14 days	4°C Celcius
EDB	EPA 504.1	3 x 40-mL glass no headspace	Na Thiosulfate	14 days	4°C Celcius
Sulfate	EPA 300.0	1 x 125 mL plastic	None	28 days	4°C Celcius
Sulfide	SM 4500S2	1 x 500 mL plastic	NaOH, Zinc Acetate	7 days	4°C Celcius
Nitrate	EPA 300.0	1 x 125 mL plastic	None	48 hours	4°C Celcius
Nitrate	EPA 300.0	1 x 125 mL plastic	H ₂ SO ₄	28 days	4°C Celcius
Methane	RSK-175	3 x 40-mL glass no headspace	HCl	14 days	4°C Celcius
Dissolved Iron	EPA 6010B	1 x 125-mL plastic, field filtered	HNO ₃	6 months	4°C Celcius
Dissolved Manganese	EPA 6010B	2 x 125-mL plastic, field filtered	HNO ₃	6 months	4°C Celcius
Notes: VOCs = Volatile organic compounds + naphthalenes EDB = Ethylene dibromide EPA = U.S. Environmental Protection Agency mL = Milliliter HgCl ₂ = Mercuric chloride Na = Sodium NaOH - Sodium hydroxide H ₂ SO ₄ = Sulfuric acid HCl = Hydrochloric acid HNO ₃ = Nitric acid					

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
CMW-1	10/05/02	230	22	4.1	20.4	<1.0	<1.0	1.7	14
	08/06/04	280	73	10	41	<1.0	0.075^a	3.1	2.1
	11/02/04	9.8	1.9	<1.0	4.9	<1.0	<0.010 ^a	<1.0	2.9
	02/13/06	92	7.3	2.4	19	<1.0	0.18^a	5.0	5.5
	06/02/06	360	4.5	<1.0	<3.0	<1.5	0.27^a	4.5	8.0
	03/24/10	60	<1.0	<1.0	5.0	<1.0	0.29^a	1.0	7.2
	09/27/10	270	13	<1.0	140	<1.0	2.3^a	<1.0	72
	12/06/10	180	17	<1.0	180	<1.0	1.3^a	<1.0	132
	03/10/11	190	5.0	<1.0	29	<1.0	0.54^a	<1.0	87
	06/16/11	58	<1.0	<1.0	<1.5	<1.0	0.19^a	2.9	4.2
	10/05/11	49	1.3	<1.0	9.2	<1.0	0.40^a	<1.0	5.5
	01/06/12	77	3.0	<1.0	16	<1.0	0.53^a	<1.0	60
	04/10/12	40	<1.0	<1.0	<1.5	<1.0	0.18^a	1.5	<10
	07/19/12	11	<1.0	<1.0	<1.5	<1.0	0.069^a	<1.0	<10
	10/09/12	13	<1.0	<1.0	<1.5	<1.0	0.08^a	<1.0	<10
	01/10/13	24	<1.0	<1.0	<1.5	<1.0	0.15^a	<1.0	3.1
	04/03/13	8.7	<1.0	<1.0	<1.5	<1.0	0.055	<1.0	<10
	06/24/13	3.4	<1.0	<1.0	<1.5	<1.0	0.029	<1.0	<10
	09/17/13	11	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/16/13	180	1.9	<1.0	16	<1.0	0.89^a	<1.0	42
	01/20/14	93	<1.0	<1.0	<1.5	<1.0	0.29^a	<1.0	<10
	02/11/14	37	<1.0	<1.0	<1.5	<1.0	0.22^a	<1.0	<10
	04/07/14	14	<1.0	<1.0	<1.5	<1.0	0.073^a	<1.0	<10
	07/14/14	17	<1.0	<1.0	<1.5	<1.0	0.12^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
CMW-1 (cont.)	10/26/15	150	10	1.1	91	<1.0	<1.0	<1.0	<10
	04/06/16	100	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	10.1
	12/14/16	170	4.6	2.0	89	<1.0	0.39^a	<1.0	197
	08/14/17	120	<5.0	5.7	22	<5.0	<0.0094 ^a	<5.0	<50
	02/20/18	150	<2.5	4.9	<3.8	<2.5	0.051^a	2.7	<25
	08/09/18	340	4.0	<2.0	<3.0	<2.0	0.37^a	<2.0	7.7
	02/21/19	570	51	26	34	<1.0	<0.010 ^a	5.3	10
	09/24/19	150	4.9	3.7	6.6	<1.0	0.25^a	<1.0	4.7
CMW-2	10/05/02 ^d	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<10
	08/06/04	3.8	<1.0	<1.0	2.0	<1.0	<0.010 ^a	<1.0	<10
	11/02/04	430	71	10	48	<1.0	<0.010 ^a	3.3	<10
	02/13/06	1.1	<1.0	<1.0	<1.0	<1.0	<0.010 ^a	1.8	<10
	06/02/06	<1.0	<1.0	<1.0	<3.0	<1.5	<0.010 ^a	1.2	<10
	03/24/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.2	<10
	09/27/10	4.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.8	<10
	12/06/10	4.7	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.1	<10
	03/10/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.1	<10
	06/16/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.2	<10
	10/05/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/05/12	8.1	2.3	1.3	10	<1.0	<0.010 ^a	<1.0	9.7
	04/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/19/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/09/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/10/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
CMW-2 (cont.)	04/03/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/24/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/17/13	2.1	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/16/13	3.3	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/20/14	1.3	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/11/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/07/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/14/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/20/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0096 ^a	<1.0	<10
CMW-3	10/05/02 ^d	2,700	14,000	1,800	14,200	<1.0	13^a	<1.0	2,170
	08/06/04	Insufficient water to sample							
	11/02/04	Insufficient water to sample							
CMW-3R	02/13/06	Well not sampled due to presence of NAPL							
	06/02/06	Well not sampled due to presence of NAPL							
	03/25/10	<5.0	66	53	1,200	<5.0	0.055^a	<5.0	163
	09/27/10	<5.0	15	6.3	760	<5.0	<0.010 ^a	<5.0	160
	12/06/10	<1.0	<1.0	<1.0	57	<1.0	<0.010 ^a	<1.0	13
	03/10/11	<1.0	1.9	1.0	84	<1.0	<0.010 ^a	<1.0	22.4
	06/16/11	<1.0	1.8	<1.0	71	<1.0	<0.010 ^a	<1.0	38.4
	10/05/11	<1.0	5.0	2.9	320	<1.0	<0.010 ^a	<1.0	70
	01/06/12	<1.0	5.6	3.8	320	<1.0	<0.010 ^a	<1.0	122
	04/10/12	<1.0	56	29	1,600	<10	<0.010 ^a	<10	336
	07/19/12	<10	12	<10	270	<10	<0.010 ^a	<10	31

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
CMW-3R (cont.)	10/09/12	<10	16	<10	920	<10	<0.010 ^a	<10	149
	01/10/13	<5.0	29	16	1,800	<5.0	<0.010 ^a	<5.0	385
	04/03/13	<10	10	<10	560	<10	<0.010 ^a	<10	222
	05/13/13	<1.0	30	6.3	250	<1.0	<1.0	<1.0	106
	06/24/13	<1.0	180	56	910	<10	<0.010 ^a	<10	277
	07/20/13	9.3	300	66	1,100	<1.0	<1.0	<1.0	243
	09/17/13	<5.0	13	<5.0	370	<5.0	<5.0	<5.0	117
	11/07/13	<5.0	<5.0	<5.0	140	<5.0	<5.0	<5.0	41
	12/16/13	<10	16	<10	790	<10	<0.010 ^a	<10	239
	01/20/14	<5.0	12	<5.0	360	<5.0	<0.010 ^a	<5.0	178
	02/11/14	<5.0	16	<5.0	570	<5.0	<0.010 ^a	<5.0	193
	04/07/14	<5.0	24	<5.0	320	<5.0	<0.010 ^a	<5.0	111
	07/14/14	1.4	54	7.9	520	<1.0	<0.010 ^a	<1.0	116
	10/26/15	<1.0	<1.0	<1.0	55	<1.0	<1.0	<1.0	140
	04/06/16	<1.0	4.4	3.6	230	<1.0	<1.0	<1.0	158
	12/14/16	<5.0	5.2	5.6	920	<5.0	<0.010 ^a	<5.0	670
	08/14/17	<10	140	57	1,800	<10	<0.0093 ^a	<10	710
	02/20/18	1.1	9.8	3.1	50	<1.0	<0.0094 ^a	<1.0	29.2
	08/09/18	<1.0	150	52	1,400	<1.0	<0.0094 ^a	<1.0	550
	02/21/19	120	230	130	2,200	<10	0.11^a	<10	940
	09/24/19	<1.0	<1.0	<1.0	31	<1.0	<1.0	<1.0	19.5
CMW-4	03/26/10	29	700	1,000	3,400	<20	<0.010 ^a	<20	670
	09/27/10	22	310	860	2,600	<20	<0.010 ^a	<20	730
	12/07/10	7.6	210	600	1,900	<5.0	<0.010 ^a	<5.0	530

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
CMW-4 (cont.)	03/11/11	18	640	580	2,400	<1.0	<0.010 ^a	<1.0	470
	06/15/11	23	430	450	1,600	<2.0	<0.010 ^a	<2.0	393
	10/05/11	17	330	260	1,200	<10	<0.010 ^a	<10	28
	01/05/12	<10	200	440	660	<10	<0.010 ^a	<10	373
	04/11/12	19	380	500	1,300	<10	<0.010 ^a	<10	260
	07/19/12	28	580	900	2,300	<10	<0.010 ^a	<10	493
	10/10/12	17	460	750	1,700	<10	<0.010 ^a	<10	404
	01/09/13	<25	260	550	1,100	<50	<0.010 ^a	<50	140
	10/26/13	Hydrogen peroxide in this well (25 gallons)							
	11/07/13	<5.0	<5.0	7.1	28	<5.0	<5.0	<5.0	<50
	11/09/13	Hydrogen peroxide in this well (20 gallons)							
	12/18/13	<5.0	79	200	580	<5.0	0.035 ^a	<5.0	146
	01/22/14	<5.0	120	250	660	<5.0	<0.010 ^a	<5.0	229
	02/12/14	6.7	170	290	820	<5.0	<0.010 ^a	<5.0	188
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	04/09/14	10	370	390	1,400	<5.0	<0.010 ^a	<5.0	188
	05/17/14	Hydrogen peroxide in this well (20 gallons)							
	07/18/14	39	1,200	800	2,600	<5.0	<0.010 ^a	9.9	343
	09/25/14	11	470	430	1,500	<10	<0.010 ^a	<10	338
	10/27/15	<1.0	<1.0	11	9.4	<1.0	<1.0	<1.0	24.9
	04/04/16	4.9	200	290	730	<1.0	<1.0	2.8	201
	12/14/16	<1.0	18	52	130	<1.0	<0.010 ^a	<1.0	54.3
	08/14/17	<2.0	<2.0	2.7	5.3	<2.0	<0.0094 ^a	<2.0	5.0
	02/20/18	<2.0	24	160	220	<2.0	<0.0095 ^a	<2.0	87

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
CMW-4 (cont.)	08/10/18	2.5	160	400	770	<2.0	<0.0092 ^a	5.1	145
	02/20/19	<1.0	7.8	32	82	<1.0	<0.0095 ^a	<1.0	16
	09/23/19	<1.0	40	240	420	<1.0	<0.0096 ^a	<1.0	82
CMW-5	03/24/10	<1.0	<1.0	<1.0	<1.5	<1.0	0.010 ^a	12	<10
	09/27/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	7.5	<10
	12/06/10	<1.0	1.8	<1.0	3.9	<1.0	<0.010 ^a	5.8	<10
	03/11/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	4.6	<10
	06/16/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	5.3	<10
	10/05/11	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	4.3	<20
	01/04/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	4.6	<10
	04/11/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	3.2	<10
	07/18/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	3.3	<10
	10/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.1	<10
	01/09/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.5	<10
	04/03/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.7	<10
	06/26/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.4	<10
	09/19/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	2.4	<10
	12/18/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.2	<10
	01/20/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.1	<10
	02/12/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.2	<10
	04/08/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.9	<10
	07/14/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.9	<10
	12/16/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
CMW-6	03/24/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/27/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/06/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/11/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/15/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/05/11	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	01/04/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/11/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/19/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/10/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/03/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	Well destroyed							
MW-1R	04/03/04	13,000	18,000	180	8,600	<1.0	34^a	21	409
	08/06/04	6,800	6,800	370	3,600	<10	20^a	32	627
	11/02/04	12,000	8,600	540	6,100	<100	9.6^a	<100	340
	02/13/06	15,000	22,000	2,300	9,900	<500	37^a	<500	<2,000
	06/02/06	8,500	13,000	1,600	5,800	<750	24^a	<500	<2,000
	02/16/07	9,800	19,000	1,400	7,700	<250	74^a	<250	510
	05/23/07	13,000	23,000	1,900	9,600	<100	71^a	<100	440
	08/29/07	7,400	16,000	710	7,200	<20	53^a	<20	520
	11/15/07	8,300	21,000	1,300	8,700	<20	24^a	<20	700
	09/15/08	2,600	18,000	2,500	12,000	<100	7.9^a	<100	550
	12/19/08	2,000	23,000	3,100	13,000	<50	7.0^a	<50	600

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-1R (cont.)	03/09/09	1,300	25,000	2,400	12,000	<50	4.5^a	<50	470
	05/22/09	1,700	25,000	2,400	12,000	<100	3.3^a	<100	510
	07/18/09	2,300	25,000	2,300	11,000	<50	2.7^a	<50	540
	03/25/10	3,100	17,000	1,400	9,300	<50	2.3^a	<50	450
	09/27/10	Insufficient water to sample							
	through								
	04/09/12								
	07/19/12	360	550	32	300	<20	2.8^a	<20	860
	10/11/12	2,500	4,500	220	2,100	<20	13^a	<20	2,030
	01/09/13	230	440	45	550	<5.0	0.50^a	<5.0	485
	04/04/13	3,600	9,500	950	5,500	<50	2.0^a	<50	540
	06/24/13	2,700	9,200	650	5,100	<50	2.2^a	<50	720
	09/19/13	480	990	140	1,500	<5.0	<5.0	<5.0	468
	09/21/13	Hydrogen peroxide in this well (15 gallons)							
	10/11/13	95	190	8.2	280	<5.0	<5.0	<5.0	324
	10/26/13	Hydrogen peroxide in this well (15 gallons)							
	11/09/13	Hydrogen peroxide in this well (20 gallons)							
	12/18/13	310	680	31	610	<5.0	1.9^a	<5.0	1,010
	01/22/14	980	2,100	130	1,800	<5.0	2.6^a	<5.0	1,630
	02/12/14	1,100	2,700	180	2,500	<5.0	4.3^a	<5.0	1,710
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	04/09/14	16	28	7.5	120	<5.0	0.32^a	<5.0	264
	05/17/14	Hydrogen peroxide in this well (17 gallons)							
	07/15/14	9.6	13	<5.0	56	<5.0	0.41^a	<5.0	102

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-1R (cont.)	09/24/14	1,900	4,500	310	4,700	<5.0	4.4^a	<5.0	2,420
	10/27/15	240	5,300	2,700	18,000	<50	<50	<50	1,170
	04/05/16	140	81	1,700	6,600	<50	<50	<50	480
	12/14/16	99	340	1,100	7,400	<20	<0.010 ^a	<20	713
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0092 ^a	<1.0	<10.0
	02/20/18	300	2,300	1,200	12,000	<10	0.033	<10	1,030
	08/08/18	240	1,700	630	8,900	<10	<0.0094 ^a	<10	920
	02/21/19	860	2,200	1,500	12,000	<10	<0.0093 ^a	<10	1,080
	09/24/19	1,700	6,200	2,300	17,000	<10	0.52^a	<10	1,210
MW-2	02/07/99 ^c	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	NA
	09/23/03	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<10
	04/03/04	<1.0	1.6	<1.0	<1.0	1.0	<0.010 ^a	1.0	<2.5 ^b
	08/06/04	1.2	1.8	<1.0	2.1	<1.0	<0.010 ^a	<1.0	<10
	11/02/04	<1.0	1.4	<1.0	<1.0	<1.0	<0.010 ^a	<1.0	<10
	02/13/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 ^a	<1.0	<10
	06/02/06	<1.0	<1.0	<1.0	<3.0	<1.5	<0.010 ^a	<1.0	<10
	02/16/07	<1.0	<1.0	<1.0	<3.0	<1.0	<0.010 ^a	<1.0	<10
	05/23/07	<1.0	5.7	1.8	8.8	<1.0	<0.010 ^a	<1.0	<10
	08/29/07	<1.0	<1.0	<1.0	2.7	<1.0	<0.010 ^a	<1.0	<10
	11/15/07	<1.0	1.8	1.5	5.7	<1.0	<0.010 ^a	<1.0	<10
	09/15/08	<1.0	<1.0	<1.0	<1.5	2.3	<0.010 ^a	2.4	<10
	12/19/08	<1.0	<1.0	<1.0	<1.5	2.4	<0.010 ^a	1.9	<10
	03/09/09	<1.0	<1.0	<1.0	1.6	1.5	<0.010 ^a	1.9	<10
	05/22/09	<1.0	<1.0	<1.0	<1.5	4.8	<0.010 ^a	4.4	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-2 (cont.)	07/17/09	<1.0	<1.0	<1.0	<1.5	4.5	<0.010 ^a	3.8	<10
	03/26/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/27/10	Insufficient water to sample							
	through								
	01/03/12								
	04/11/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
MW-3	04/03/04	Well not sampled due to presence of NAPL							
	08/06/04	Well not sampled due to presence of NAPL							
	11/02/04	Well not sampled due to presence of NAPL							
	02/13/06	Well not sampled due to presence of NAPL							
	06/02/06	Well not sampled due to presence of NAPL							
	05/23/07	3,400	27,000	4,100	18,000	<100	0.039	<100	860
	08/29/07	Well not sampled due to presence of NAPL							
	11/15/07	2,000	18,000	4,700	22,000	<20	0.41^a	<20	1,460
	09/15/08	Well not sampled due to presence of NAPL							
	12/19/08	Well not sampled due to presence of NAPL							
	03/09/09	Well not sampled due to presence of NAPL							
	05/22/09	Well not sampled due to presence of NAPL							
	07/10/09	Well replaced with SVE-1							
MW-4	02/13/06	1,600	220	<10	360	<10	6.0^a	35	<40
	06/02/06	1.2	<1.0	<1.0	<3.0	<1.5	0.013 ^a	<1.0	<10
	02/16/07	1.4	3.1	<1.0	<3.0	<1.0	0.018 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-4 (cont.)	05/23/07	730	680	29	560	<1.0	2.9^a	2.1	43.7
	08/29/07	13	21	1.6	59	<1.0	0.018 ^a	<1.0	20
	11/15/07	3,600	8,100	780	4,500	<1.0	25^a	4.7	569
	09/15/08	4,400	4,200	370	2,400	<100	26^a	<100	<400
	12/19/08	3,700	3,800	310	2,100	<100	18^a	<100	<400
	03/09/09	<1.0	<1.0	<1.0	<1.5	<1.0	0.014 ^a	<1.0	<10
	05/22/09	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/17/09	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/25/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/27/10	Insufficient water to sample							
	through								
	01/03/12								
	04/11/12	8,100	37,000	3,400	21,000	<100	110^a	<100	750
	07/19/12	7,500	33,000	3,000	19,000	<100	81^a	<100	1,000
	10/11/12	6,600	37,000	3,400	20,000	<100	120^a	<100	1,310
	01/09/13	5,400	33,000	3,100	20,000	<500	66^a	<500	<5,000
	04/04/13	4,400	31,000	3,500	20,000	<100	44^a	<100	1,290
	06/24/13	3,200	24,000	2,300	16,000	<100	28^a	<100	720
	09/19/13	3,200	21,000	2,600	19,000	<200	<200	<200	970
	09/21/13	Hydrogen peroxide in this well (15 gallons)							
	10/11/13	<50	4,700	2,000	16,000	<50	<50	<50	1,520
	12/18/13	<50	<50	84	3,400	<50	2.5^a	<50	170
	10/26/13	Hydrogen peroxide in this well (25 gallons)							
	11/09/13	Hydrogen peroxide in this well (20 gallons)							

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-4 (cont.)	01/22/14	<10	29	170	6,600	<10	1.6^a	<10	950
	02/12/14	<50	<50	170	6,200	<50	1.0^a	<50	810
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	05/17/14	Hydrogen peroxide in this well (20 gallons)							
	06/24/14	Well plugged and abandoned							
MW-4R	06/24/14	8,200	32,000	2,600	17,000	<10	100^a	24	1,090
	07/15/14	6,800	30,000	2,600	17,000	<20	54^a	<20	872
	09/24/14	6,800	27,000	2,300	17,000	<50	74^a	<50	1,220
	10/28/15	7,700	13,000	1,600	11,000	<10	44	<10	910
	04/06/16	7,400	15,000	1,500	11,000	<100	<100	<10	500
	12/14/16	610	1,400	300	2,100	<100	1.3^a	<100	<1000
	08/14/17	<2.0	<2.0	<2.0	<3.0	<2.0	<0.0094 ^a	<2.0	58
	02/21/18	1,400	9,100	860	6,000	<10	1.6^a	<10	468
	08/08/18	790	4,800	480	3,400	<25	1.2^a	<25	200
	02/21/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	09/24/19	1,800	13,000	1,300	9,200	<1.0	2.2^a	<1.0	597
MW-5	02/21/06	1,400	310	1,200	2,300	<50	0.011 ^a	<50	300
	06/02/06	1,600	260	1,700	2,200	<30	0.020 ^a	56	799
	02/16/07	1,600	1,100	1,900	4,700	<20	<0.010 ^a	<20	670
	05/23/07	1,400	1,000	2,700	5,000	<10	6.4^a	11	841
	08/29/07	1,400	1,600	2,400	6,400	<5.0	0.027 ^a	7.7	979
	11/15/07	1,100	1,300	2,000	4,300	<5.0	0.019 ^a	11	886
	09/15/08	3,100	1,100	1,800	2,500	<100	0.26^a	<100	640
	12/19/08	4,100	2,400	1,600	3,000	<50	0.12^a	<50	550

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-5 (cont.)	03/09/09	7,300	5,300	1,600	4,600	<50	0.061 ^a	52	480
	05/22/09	7,100	6,200	1,600	4,800	<50	<0.010 ^a	64	490
	07/18/09	6,000	5,300	1,500	4,500	<20	0.070 ^a	48	680
	03/24/10	6,700	4,400	1,800	4,900	<20	<0.010 ^a	54	670
	09/27/10	Insufficient water to sample							
	through								
	06/14/11								
	10/05/11	<10	<10	240	900	<10	<0.010 ^a	19	421
	01/04/12	440	<10	<10	<15	27	<0.010 ^a	360	<100
	04/11/12	13	<2.0	<2.0	<3.0	25	<0.010 ^a	240	<20
	07/17/12	3.2	<1.0	<1.0	<1.5	23	<0.010 ^a	220	<10
	10/10/12	5.4	1.5	<1.0	<1.5	26	<0.010 ^a	260	<10
	01/09/13	7.7	<1.0	<1.0	<1.5	16	<0.010 ^a	130	<10
	04/03/13	2.4	<1.0	<1.0	<1.5	8.5	<0.010 ^a	93	<10
	06/24/13	<10	<10	<10	<15	<10	<0.010 ^a	100	<100
	09/18/13	<1.0	<1.0	<1.0	<1.5	17	<1.0	190	<10
	10/26/14	Hydrogen peroxide in this well (15 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/19/13	<1.0	<1.0	<1.0	<1.5	2.9	<0.010 ^a	27	<10
	01/22/14	<1.0	<1.0	<1.0	<1.5	2.7	<0.010 ^a	34	<10
	02/12/14	<1.0	<1.0	<1.0	<1.5	3.0	<0.010 ^a	35	<10
	03/29/14	Hydrogen peroxide in this well (10 gallons)							
	04/09/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.021 ^a	1.1	<10
	05/17/14	Hydrogen peroxide in this well (10 gallons)							

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-5 (cont.)	07/15/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	3.0	<10
	10/28/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/16/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	08/15/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	02/22/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	08/09/18	4.2	<1.0	27	<1.5	<1.0	0.033 ^a	<1.0	6.2
	02/21/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
MW-6	07/18/09	7,300	14,000	2,600	10,000	<50	0.14^a	82	930
	03/24/10	7,200	12,000	2,900	11,000	<100	0.20^a	<100	660
	09/27/10	Insufficient water to sample							
	through								
	06/14/11								
	10/05/11	<10	16	74	410	15	<0.010 ^a	130	253
	01/04/12	1,500	26	<10	43	54	<0.010 ^a	210	120
	04/10/12	2,200	13	3.0	29	43	<0.010 ^a	160	144
	07/17/12	1,300	12	<10	21	43	<0.010 ^a	160	30
	10/10/12	620	12	<5.0	18	37	<0.010 ^a	150	121
	01/10/13	210	<5.0	<5.0	<7.5	22	<0.010 ^a	78	<50
	04/02/13	120	<5.0	<5.0	<7.5	28	<0.010 ^a	100	13
	06/24/13	48	2.5	1.2	2.5	19	<0.010 ^a	75	13
	09/18/13	33	2.0	<1.0	2.3	19	<1.0	75	10
	10/26/13	Hydrogen peroxide in this well (15 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/18/13	<1.0	<1.0	<1.0	<1.5	28	<0.010 ^a	90	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-6 (cont.)	01/21/14	<1.0	<1.0	<1.0	3.3	25	<0.010 ^a	78	<10
	02/12/14	<5.0	11	7.8	67	16	0.071 ^a	47	19
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	04/09/14	<5.0	6.1	6.9	84	5.2	0.25 ^a	18	50
	05/17/14	Hydrogen peroxide in this well (20 gallons)							
	07/14/14	<1.0	15	9.6	180	8.4	0.39 ^a	24	197
	09/25/14	<1.0	25	24	200	11	0.18 ^a	27	147
	10/28/15	<100	<100	220	4,400	<100	<100	<100	1,520
	04/05/16	<20	34	87	2,900	<20	<20	<20	830
	12/14/16	<10	<10	21	320	<10	<0.010 ^a	<10	920
	08/14/17	<10	<10	70	750	<10	0.015 ^a	<10	960
	02/20/18	<10	33	70	2,000	<10	0.061 ^a	<10	690
	08/09/18	<5.0	7.5	210	310	<10	0.044 ^a	<5.0	473
	02/21/19	<1.0	5.0	180	230	<1.0	0.043 ^a	<1.0	180
	09/23/19	<2.0	<2.0	150	35	<2.0	<2.0	<2.0	71
MW-7	07/18/09	330	260	350	1,600	<1.0	0.086 ^a	17	133
	03/24/10	1,100	2,900	1,400	7,000	<50	4.1 ^a	<50	330
	09/27/10	Insufficient water to sample							
	through								
	10/04/11								
	01/04/12	6.3	<1.0	<1.0	4.8	16	<0.010 ^a	83	121
	04/10/12	<5.0	<5.0	<5.0	<7.5	23	<0.010 ^a	180	49
	07/17/12	<5.0	<5.0	<5.0	<7.5	35	<0.010 ^a	230	<50
	10/10/12	<5.0	<5.0	<5.0	<7.5	36	<0.010 ^a	260	<50

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-7 (cont.)	01/10/13	<5.0	<5.0	<5.0	<7.5	39	<0.010 ^a	250	<50
	04/03/13	<1.0	<1.0	<1.0	<1.5	8.3	<0.010 ^a	64	<10
	06/24/13	<1.0	<1.0	<1.0	<1.5	5.2	<0.010 ^a	41	<10
	09/18/13	<1.0	<1.0	<1.0	<1.5	7.8	<1.0	61	<10
	10/26/13	Hydrogen peroxide in this well (10 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/18/13	<1.0	<1.0	<1.0	<1.5	1.4	<0.010 ^a	10	<10
	01/21/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	4.5	<10
	02/11/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	6.5	<10
	03/29/14	Hydrogen peroxide in this well (10 gallons)							
	04/09/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.5	<10
	05/17/14	Hydrogen peroxide in this well (10 gallons)							
	07/14/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.5	<10
	10/28/15	<5.0	<5.0	<5.0	<7.5	<5.0	<5.0	<5.0	960
	04/05/16	<5.0	<5.0	<5.0	<7.5	<5.0	<5.0	<5.0	267
	12/14/16	<2.5	<2.5	<2.5	<5.0	<2.5	<0.010 ^a	<2.5	218
	08/14/17	<2.0	<2.0	<2.0	<3.0	<2.0	<0.0094 ^a	<2.0	98
	02/20/18	<2.0	<2.0	<2.0	<3.0	<2.0	<0.0094 ^a	<2.0	69
	08/09/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0093 ^a	<1.0	4.1
	02/20/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	24.9
MW-8	07/17/09	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.9	<10
	03/24/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	3.9	<10
	09/27/10	Insufficient water to sample							
	through								

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-8 (cont.)	10/04/11								
	01/04/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	4.4	<10
	04/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	3.7	<10
	07/17/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	2.0	<10
	10/11/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.8	<10
	01/10/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.4	<10
	04/03/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.9	<10
	06/24/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.4	<10
	09/18/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	1.4	<10
	12/18/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/21/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/11/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/08/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/14/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.3	<10
	04/06/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/20/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
MW-9	07/21/09	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/24/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/27/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/06/10	Insufficient water to sample							
	through								
	06/14/11								
	10/07/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-9 (cont.)	01/06/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/20/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
MW-10	08/03/09	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/24/10	<1.0	1.4	<1.0	2.0	<1.0	<0.010 ^a	<1.0	<10
	09/27/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/07/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/10/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/16/11	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	10/07/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/06/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/20/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
MW-11	03/25/10	8,400	2,200	170	4,300	<50	67^a	63	290
	09/27/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							
	through								
	10/04/11								
	01/06/12	390	2500	620	11,000	<20	160^a	40	1,220
	04/10/12	300	700	540	9,100	<10	150^a	31	1,210
	07/18/12	300	840	420	8,100	<10	130^a	24	870
	01/09/13	280	720	750	5,500	<10	73^a	22	598
	04/02/13	270	750	810	5,300	<20	79^a	24	710
	06/25/13	170	440	610	4,000	<20	84^a	<20	750

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-11 (cont.)	09/17/13	190	440	710	4,300	<10	70	19	830
	09/21/14	Hydrogen peroxide in this well (10 gallons)							
	10/11/13	2.2	1.7	1.4	17	<1.0	5.5	1.5	3.2
	10/26/13	Hydrogen peroxide in this well (20 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/16/13	<1.0	<1.0	<1.0	<1.5	<1.0	2.2^a	<1.0	<10
	01/20/14	<1.0	<1.0	<1.0	<1.5	<1.0	5.7^a	2.2	<10
	02/11/14	<1.0	<1.0	<1.0	<1.5	<1.0	14^a	3.5	<10
	03/29/14	Hydrogen peroxide in this well (10 gallons)							
	04/07/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.54^a	<1.0	<10
	05/17/14	Hydrogen peroxide in this well (10 gallons)							
	07/17/14	<1.0	<1.0	<1.0	<1.5	<1.0	4.9^a	1.5	<10
	09/24/14	<1.0	<1.0	<1.0	<1.5	<1.0	8.5^a	3.9	<10
	10/26/15	6.1	1.5	16	180	<1.0	5.9	5.5	52.2
	04/04/16	6.7	<5.0	8.3	440	<5.0	16	6.6	94
	12/14/16	3.0	<1.0	12	81	<1.0	7.7^a	2.9	358
	08/14/17	<1.0	<1.0	46	350	<1.0	0.84^a	1.4	640
	02/22/18	<5.0	<5.0	110	1,600	<5.0	3.6^a	<5.0	445
	08/08/18	<5.0	<5.0	84	730	<5.0	1.5^a	<5.0	442
	02/20/19	<5.0	<5.0	28	210	<5.0	1.4^a	<5.0	480
	09/23/19	<2.5	<5.0	43	150	<5.0	0.74^a	<5.0	411
MW-12	03/25/10	940	420	21	510	<10	4.3^a	46	<100
	09/27/10	Insufficient water to sample							
	through								

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-12 (cont.)	10/04/11								
	01/06/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/18/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/09/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/09/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/02/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/25/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/17/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/17/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/20/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/11/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/07/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/17/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/22/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
MW-13	02/22/11	9,500	14,000	1,100	5,900	<1.0	140^a	200	458
	03/10/11	10,000	21,000	1,500	11,000	<20	130^a	230	600
	06/15/11	11,000	24,000	2,100	19,000	<20	220^a	180	1,590
	10/04/11	7,000	13,000	350	11,000	<100	180^a	100	620
	01/06/12	6,300	9,500	560	9,700	<100	86^a	<100	1,340
	04/10/12	5,500	9,200	350	7,300	<100	53^a	<100	630
	07/18/12	5,900	9,400	260	6,300	<100	76^a	<100	630
	10/11/12	4,700	5,500	270	5,300	<100	60^a	<100	980

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-13 (cont.)	01/09/13	4,200	2,900	330	4,300	<100	34^a	<100	640
	04/02/13	3,600	1,000	310	2,500	<20	31^a	67	860
	06/25/13	3,000	1,000	310	2,600	<20	29^a	59	770
	09/18/13	2,200	530	270	2,200	<20	22	39	870
	09/21/13	Hydrogen peroxide in this well (15 gallons)							
	10/11/13	440	260	68	890	<10	<10	14	336
	10/26/13	Hydrogen peroxide in this well (30 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/16/13	13	69	34	750	<10	2.3^a	<10	140
	01/20/14	59	110	48	840	<1.0	7.4^a	<10	208
	02/11/14	22	85	41	760	<10	6.4^a	<10	135
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	04/07/14	20	44	23	400	<5.0	2.0^a	<5.0	71
	05/17/14	Hydrogen peroxide in this well (20 gallons)							
	07/17/14	29	15	9.3	310	<1.0	2.1^a	5.9	67
	09/24/14	19	13	6.4	230	<1.0	3.6^a	8.8	77
	10/26/15	1100	360	<100	1200	<100	<100	<100	220
	04/04/16	300	60	7.3	74	<5.0	<5.0	5.2	21
	12/14/16	16	<1.0	<1.0	<1.5	<1.0	0.065^a	<1.0	<10
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0093 ^a	<1.0	<10
	02/19/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	02/20/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
MW-14	02/22/11	3.2	0	120	890	<1.0	1.2^a	1.1	185

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-14 (cont.)	03/10/11	<1.0	12	5.6	320	<1.0	1.3^a	1.2	201
	06/15/11	<1.0	<1.0	<1.0	8.9	<1.0	0.037 ^a	<1.0	31
	10/04/11	1.4	1.9	<1.0	34	<1.0	0.19^a	2.2	63
	01/06/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	130
	04/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	0.074^a	<1.0	181
	07/18/12	<1.0	<1.0	<1.0	2.7	<1.0	0.46^a	3.9	242
	10/11/12	<5.0	<5.0	<5.0	<7.5	<5.0	0.27^a	8.7	43
	01/09/13	<1.0	<1.0	<1.0	<1.5	<1.0	0.11^a	3.7	17.6
	04/02/13	<5.0	<5.0	<5.0	<7.5	<5.0	0.23^a	<5.0	44
	06/25/13	<1.0	<1.0	<1.0	1.7	<1.0	0.082^a	1.2	40
	09/18/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	1.2	31.7
	10/26/13	Hydrogen peroxide in this well (10 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/17/13	<1.0	<1.0	<1.0	<1.5	<1.0	0.13^a	<1.0	10.7
	01/20/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.22^a	<1.0	82
	02/11/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.11^a	<1.0	19.7
	03/29/14	Hydrogen peroxide in this well (10 gallons)							
	04/07/14	<1.0	<1.0	<1.0	1.6	<1.0	0.16^a	<1.0	46.9
	05/17/14	Hydrogen peroxide in this well (10 gallons)							
	07/17/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.16^a	<1.0	32
	09/24/14	<1.0	<1.0	<1.0	2.8	<1.0	0.18^a	<1.0	219
	10/26/15	<2.5	<5.0	<5.0	27	<5.0	<5.0	<5.0	266
	04/04/16	<10	<10	<10	<15	<10	<10	<10	39
	12/14/16	<1.0	<1.0	<1.0	3.9	<1.0	0.013 ^a	4.9	91

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-14 (cont.)	08/14/17	<1.0	<1.0	<1.0	8.4	<1.0	<0.0093 ^a	2.6	128
	02/22/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	1.5	28.9
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	02/21/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
MW-15	02/22/11	13,000	24,000	1,400	9,300	<50	140^a	280	440
	03/10/11	13,000	24,000	1,800	11,000	<50	120^a	280	590
	05/09/11	5,400	6,600	630	2,900	<100	60^a	110	280
	06/15/11	2,200	2,700	410	1,000	<10	21^a	78	285
	10/05/11	1,300	470	140	400	<10	8.5^a	75	100
	01/05/12	2,100	380	150	440	<10	6.8^a	100	110
	04/10/12	1,300	81	86	150	<10	2.9^a	67	60
	07/18/12	1,700	22	43	34	<10	1.1^a	72	38
	10/10/12	1,700	140	72	110	<10	2.0^a	82	37
	01/09/13	1,700	140	67	120	<10	0.94^a	71	26
	04/02/13	1,400	85	38	76	<10	0.71^a	68	25
	06/25/13	560	37	14	39	<10	0.30^a	44	<100
	09/18/13	160	1.7	1.9	2.9	<1.0	<1.0	32	2.2
	09/21/13	Hydrogen peroxide in this well (10 gallons)							
	10/26/13	Hydrogen peroxide in this well (20 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/16/13	33	<1.0	<1.0	2.7	<1.0	0.41^a	34	<10
	01/20/14	76	2.2	<1.0	4.5	<1.0	0.27^a	19	<10
	02/11/14	170	7.5	1.4	11	<1.0	1.2^a	30	3.3
	03/29/14	Hydrogen peroxide in this well (20 gallons)							

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-15 (cont.)	04/07/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.056^a	7.7	<10
	05/17/14	Hydrogen peroxide in this well (23 gallons)							
	07/17/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.019 ^a	4.9	<10
	10/26/15	590	1.9	27	12	<1.0	<1.0	64	29
	04/04/16	120	<5.0	5.3	<7.5	<5.0	<5.0	41	<50
	12/14/16	2.8	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	32	<10
	08/14/17	1.6	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	28	<10
	02/19/18	1.9	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	28	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	40	<10
	02/20/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	22	<10
	09/24/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	26	<4.0
MW-16	08/11/14	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	12/14/16	Well Paved-over							
MW-17	08/11/14	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/22/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
MW-18	08/08/14	150	<2.0	7.1	<3.0	55	<0.010 ^a	190	<20
	08/11/14	600	3.7	9.8	8.3	23	<0.010 ^a	130	13
	09/25/14	2.6	<2.0	<2.0	<3.0	2.3	<0.010 ^a	7.6	<20
	10/26/15	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<20
	04/06/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	08/15/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
MW-18 (cont.)	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	02/21/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
MW-19	08/11/14	<2.0	<2.0	<2.0	<3.0	7.7	<0.010 ^a	5.2	<20
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
MW-20	08/11/14	<2.0	<2.0	<2.0	<3.0	6.4	<0.010 ^a	10	<20
	09/24/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/28/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	04/05/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	02/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
SFCMW-01	03/24/10	Well not sampled due to presence of NAPL							
	10/06/11	320	3,000	1,200	15,000	<50	0.50 ^a	120	1,790
	01/05/12	240	1,600	850	10,000	<20	0.15 ^a	110	2,470
	04/10/12	350	1,500	1,000	11,000	21	0.064 ^a	99	1,690
	09/25/14	66	82	E	2,900	<20	<0.010 ^a	40	990
	07/17/12	350	1,300	1,100	11,000	<50	0.061 ^a	80	1,870
	10/09/12	340	1,000	1,200	11,000	<50	0.020 ^a	65	1,710
	01/08/13	130	250	540	4,300	<10	0.013 ^a	50	980
	04/02/13	99	100	350	2,300	<10	0.013 ^a	50	700
	05/13/13	140	170	570	4,000	<20	<20	59	930

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-01 (cont.)	06/25/13	170	230	630	4,700	<20	<0.010 ^a	61	960
	07/20/13	140	190	620	4,600	<20	<20	64	840
	09/18/13	140	180	540	4,300	<10	<10	59	900
	11/07/13	130	220	750	5,300	<10	<10	74	900
	12/17/13	120	150	600	4,400	<10	<0.010 ^a	59	740
	01/21/14	100	120	500	3,800	<10	<0.010 ^a	56	810
	02/10/14	94	120	530	3,600	<10	<0.010 ^a	55	635
	04/09/14	57	49	290	1,600	<10	<0.010 ^a	35	405
	07/15/14	54	69	390	2,700	<10	<0.010 ^a	28	606
	10/27/15	<1.0	<1.0	<1.0	3.4	<1.0	<1.0	<1.0	143
	04/05/16	3.2	1.2	1.2	6.9	<1.0	<0.010 ^a	<1.0	1,020
	12/15/16	3.8	<5.0	22	20	<5.0	<0.010 ^a	<5.0	540
	08/15/17	3.6	<5.0	32	19	<5.0	<0.0095 ^a	<5.0	470
	02/20/18	<2.5	<2.5	54	53	<2.5	<0.0095 ^a	3.7	600
	08/09/18	<2.5	<2.5	51	32	<2.5	<0.0094 ^a	<2.5	560
	02/21/19	<5.0	<5.0	95	110	<5.0	<0.0094 ^a	6.0	540
	09/23/19	<2.5	<5.0	37	15	<5.0	<5.0	<5.0	490
SFCMW-02	03/24/10	Well not sampled due to presence of NAPL							
	10/06/11	93	<10	37	170	12	<0.010 ^a	170	195
	01/05/12	15	<5.0	10	22	12	<0.010 ^a	170	206
	04/10/12	5.1	2.8	19.0	76.0	7.6	<0.010 ^a	100	161
	07/17/12	<5.0	<5.0	<5.0	8.6	<5.0	<0.010 ^a	85	1,640
	10/09/12	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	82	67
	01/08/13	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	80	52

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-02 (cont.)	04/02/13	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	71	53
	06/25/13	1.1	1.6	1.0	3.1	3.0	<0.010 ^a	50	47
	09/18/13	1.0	2.0	<1.0	3.3	3.8	<1.0	52	49
	12/17/13	1.1	<1.0	<1.0	<1.5	2.1	<0.010 ^a	30	70.7
	01/21/14	1.2	<1.0	<1.0	<1.5	1.8	<0.010 ^a	27	110
	02/10/14	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	24	78
	04/09/14	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	16	74
	07/15/14	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	12	104
	09/26/14	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	15	239
	10/27/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	167
	04/05/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	960
	12/15/16	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	<5.0	829
	08/15/17	2.6	<5.0	<5.0	<7.5	<5.0	<0.0093 ^a	<5.0	411
	02/20/18	3.4	<2.5	<2.5	<3.8	<2.5	<0.0095 ^a	<2.5	349
	08/09/18	2.4	<2.0	<2.0	<3.0	<2.0	<0.0094 ^a	<2.0	391
	02/21/19	<2.0	<2.0	<2.0	<3.0	<2.0	<0.0095 ^a	<2.0	302
	10/25/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	367
SFCMW-03	03/24/10	Well not sampled due to presence of NAPL							
	10/06/11	11	380	210	4,000	<10	0.045 ^a	12	1,390
	01/05/12	<10	83	48	4,900	<10	<0.010 ^a	20	2,730
	04/10/12	<10	51	44	4,500	<10	<0.010 ^a	18	2,590
	07/17/12	<10	12	<10	2,500	<10	<0.010 ^a	<10	1,640
	10/09/12	<10	<10	<10	1,800	<10	<0.010 ^a	<10	1,160
	01/08/13	<10	<10	<10	1,100	<10	<0.010 ^a	<10	920

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-03 (cont.)	04/02/13	<20	<20	<20	710	<20	<0.010 ^a	<20	810
	06/25/13	<10	<10	<10	190	<10	<0.010 ^a	<10	520
	09/18/13	7.3	<5.0	<5.0	200	<5.0	<5.0	<5.0	540
	12/17/13	<5.0	<5.0	<5.0	120	<5.0	<0.010 ^a	<5.0	600
	01/21/14	<5.0	<5.0	<5.0	86	<5.0	<0.010 ^a	<5.0	760
	02/10/14	<10	<10	<10	90	<10	<0.010 ^a	<10	760
	04/09/14	<5.0	<5.0	<5.0	61	<5.0	<0.010 ^a	<5.0	570
	07/15/14	2.2	<1.0	<1.0	95	<1.0	<0.010 ^a	1.1	860
	09/25/14	<10	<10	<10	22	<10	<0.010 ^a	<10	1,060
	10/27/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	152
	04/05/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	148
	12/15/16	<5.0	<5.0	<5.0	<7.5	<5.0	<0.010 ^a	<5.0	680
	08/15/17	<5.0	<5.0	<5.0	<7.5	<5.0	<0.0094 ^a	<5.0	360
	02/20/18	<2.0	<2.0	<2.0	<3.0	<2.0	<0.0095 ^a	<2.0	292
	08/09/18	2.9	<1.0	<1.0	<1.5	<2.0	<0.0093 ^a	<1.0	204
	02/20/19	1.6	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	147
	10/25/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	188
SFCMW-04	03/24/10	Well not sampled due to presence of NAPL							
	10/04/11	Well destroyed							
SFCMW-05	03/24/10	Well not sampled due to presence of NAPL							
	10/04/11	Well destroyed							
SFCMW-06	03/24/10	Well not sampled due to presence of NAPL							
	10/06/11	16	1.7	<1.0	5.4	<1.0	0.075^a	2.6	<10
	01/05/12	53	3.0	<1.0	5.0	<1.0	0.056^a	5.6	35

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-06 (cont.)	04/10/12	440	5.1	2.7	8.3	3.7	0.061^a	19	95
	07/17/12	710	9.2	22	20	4.5	0.19^a	52	88
	10/10/12	1,800	<10	66	<15	<10	0.14^a	140	29
	01/08/13	1,300	6.7	35	10	7.1	0.084^a	130	50
	04/02/13	400	5.5	15	<7.5	<5.0	0.081^a	58	45
	06/25/13	270	5.1	13	<7.5	<5.0	0.091^a	39	12
	09/18/13	70	2.9	<1.0	7.1	<1.0	<1.0	9.2	60
	12/17/13	7.1	<1.0	5.4	94	<1.0	0.54^a	<1.0	59
	01/21/14	4.6	<1.0	5.1	99	<1.0	0.51^a	<1.0	90
	02/10/14	5.1	<1.0	5.3	130	<1.0	0.51^a	<1.0	94
	04/08/14	5.9	<1.0	3.0	120	<1.0	0.34^a	<1.0	104
	07/17/14	<1.0	<1.0	<1.0	54	<1.0	0.061^a	<1.0	60.3
	09/26/14	2.2	<1.0	<1.0	27	<1.0	0.10^a	<1.0	570
	10/27/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	04/04/16	11	3.8	1.6	30	<1.0	0.36	2.1	182
	12/15/16	5.5	1.6	1.0	7.6	<1.0	0.055^a	<1.0	100
	08/15/17	6.1	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	9.4
	02/20/18	4.9	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	6.2
	08/08/18	5.7	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	4.6
	02/21/19	2.1	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
SFCMW-07	03/24/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							
	through								
	10/04/11								

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-07 (cont.)	01/05/12	<1.0	2.1	<1.0	23	<1.0	0.47^a	<1.0	239
	04/11/12	2.3	3.3	<2.0	26	<2.0	0.25^a	<2.0	39
	07/18/12	<1.0	<1.0	<1.0	14	<1.0	0.22^a	<1.0	49
	10/09/12	1.2	1.0	<1.0	16	<1.0	0.14^a	<1.0	20
	01/09/13	<1.0	<1.0	<1.0	7.9	<1.0	0.11^a	<1.0	20
	04/02/13	<1.0	<1.0	<1.0	7.3	<1.0	0.077^a	<1.0	13.3
	06/25/13	<1.0	<1.0	<1.0	3.6	<1.0	0.069^a	<1.0	10
	09/18/13	1.1	1.5	<1.0	5.9	<1.0	<1.0	<1.0	41.4
	12/17/13	1.4	<1.0	<1.0	5.5	<1.0	0.035 ^a	<1.0	51
	01/21/14	<1.0	<1.0	<1.0	4.4	<1.0	0.030 ^a	<1.0	57
	02/10/14	<1.0	<1.0	<1.0	4.3	<1.0	0.029 ^a	<1.0	53
	04/08/14	<1.0	<1.0	<1.0	1.9	<1.0	0.027 ^a	<1.0	41
	07/15/14	<1.0	<1.0	<1.0	14	<1.0	0.045 ^a	<1.0	116.8
	09/26/14	<5.0	<5.0	<5.0	<7.5	<5.0	0.022 ^a	<5.0	239
	10/26/15	<10	<10	<10	120	<10	<10	<10	1,910
	04/04/16	<1.0	<1.0	<1.0	<1.5	<1.0	0.92	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	0.59	1.2	<10
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	0.35	1.2	<10
	02/19/18	<1.0	<1.0	<1.0	<1.5	<1.0	0.44	1.1	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	0.19	<1.0	<10
	02/21/19	<1.0	<1.0	<1.0	<1.5	<1.0	0.13	<1.0	<10
	09/24/19	<1.0	<1.0	<1.0	<1.5	<1.0	0.021 ^a	<1.0	<4.0

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-08	03/26/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/27/10 through 10/04/11	Insufficient water to sample							
	01/05/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/17/12 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/10/12 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/08/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<2.0
	04/02/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<10
	01/20/14 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<10
	04/07/14 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/16/14 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/05/16 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/20/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
SFCMW-09	03/26/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/28/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/07/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/11/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/14/11	Well not sampled due to well head obstruction							
	10/04/11	Well destroyed							
SFCMW-09D	03/26/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/28/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-09D (cont.)	12/07/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/11/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/15/11	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	10/06/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/05/12	<1.0	1.5	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/10/12 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/08/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<2.0
	04/02/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<10
	01/21/14 ^e	<2.0	<2.0	<2.0	<4.0	<2.0	<0.010 ^a	<2.0	<20
	04/08/14 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/16/14 ^e	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	04/05/16 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
SFCMW-10	03/24/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							
	through								
	06/14/11								
	10/06/11	1,400	1,700	120	2,100	<50	1.8^a	<50	100
	01/05/12	4,500	1,500	1,100	6,300	<5.0	0.78^a	6.4	374
	04/10/12	1,900	170	68	600	17	0.26^a	12	137
	07/18/12	1,800	94	64	270	<50	0.21^a	<50	110
	10/10/12	230	8.0	12	25	2.8	0.10^a	2.3	44
	11/20/12	1,400	120	25	150	12	<1.0	13	220
	12/28/12	200	61	6.1	72	<5.0	<5.0	<5.0	89
	01/08/13	130	61	5.5	61	2.6	0.52^a	2.6	114

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-10 (cont.)	02/16/13	200	150	21	190	3.0	<1.0	3.0	341
	04/02/13	220	750	65	490	<10	2.2^a	<10	459
	05/13/13	300	1,300	120	750	<10	<10	<10	628
	06/25/13	340	1,700	130	850	<10	1.3^a	<10	733
	07/20/13	300	1,700	150	860	<10	<10	<10	730
	09/19/13	240	390	62	340	<10	<10	<10	386
	11/07/13	100	260	33	210	<10	<10	<10	170
	12/17/13	120	450	51	320	<10	1.0^a	<10	357
	01/21/14	210	890	100	560	<10	1.3^a	<10	567
	02/10/14	200	1,200	110	650	<10	1.5^a	<10	409
	04/09/14	260	1,700	200	1,000	<10	2.2^a	<10	505
	07/15/14	120	380	52	240	<10	0.57^a	<10	258
	09/25/14	240	1,300	170	820	<10	1.3^a	<10	910
	10/27/15	29	85	<10	31	<10	<10	<10	1,640
	04/05/16	7.8	32	6.7	71	<5.0	0.033	<5.0	3,470
	12/15/16	22	29	<10	170	<10	0.069^a	<10	4,600
	08/15/17	65	20	<20	180	<20	0.17^a	<10	4,500
	02/20/18	72	13	15	350	<10	0.21^a	<10	4,700
	08/08/18	23	<10	<10	45	<10	0.061^a	<10	4,200
	02/21/19	48	<10	<10	48	<10	0.078^a	<10	2,450
	09/23/19	83	<10	<10	62	<10	<10	<10	3,010
SFCMW-11	03/25/10	3,700	4,600	1,200	6,800	<50	29^a	110	680
	09/27/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-11 (cont.)	03/10/11	52	370	220	4,200	<20	2.3^a	<20	1,440
	06/15/11	96	410	120	2,700	<20	1.5^a	<20	560
	10/04/11	39	300	110	2,100	<20	0.66^a	<20	600
	01/05/12	21	110	180	1,200	<10	0.10^a	<10	720
	04/11/12	<1.0	4.0	5.8	31	<1.0	<0.010 ^a	<1.0	21
	07/18/12	<20	26	36	220	<20	<0.010 ^a	<20	<200
	10/09/12	<5.0	34	47	230	<5.0	<0.010 ^a	<5.0	73
	01/08/13	<1.0	3.3	7.5	30	<1.0	<0.010 ^a	<1.0	12
	04/03/13	<1.0	27	62	300	<1.0	<0.010 ^a	<1.0	69
	06/25/13	<2.0	<2.0	7.9	18	<2.0	<0.010 ^a	<2.0	21
	09/18/13	<1.0	<1.0	1.2	1.6	<1.0	<1.0	<1.0	8.2
	12/17/13	<1.0	<1.0	1.3	<1.5	<1.0	<0.010 ^a	<1.0	16
	01/21/14	<10	<10	<10	<15	<10	<0.010 ^a	<10	307
	02/10/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	14.1
	04/08/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/17/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	8.5
	10/26/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	04/06/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0092 ^a	<1.0	<10
	02/19/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0096 ^a	<1.0	<10
	02/21/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFCMW-12	03/25/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/27/10 through 10/04/11	Insufficient water to sample							
	01/06/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/18/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/09/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/08/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/02/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/25/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/18/13	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/17/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/21/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/10/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/08/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/15/14	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	10/26/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	04/04/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	02/19/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	02/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0098 ^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SFRMW-01	03/25/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/28/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/06/10	Insufficient water to sample							
	through								
	06/14/11								
	10/07/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
SFRMW-01D	01/04/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/28/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	8.7	<10
	12/07/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/10/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/16/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/07/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
SFRMW-02	01/04/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/28/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/07/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	03/09/11	Insufficient water to sample							
	06/14/11	Insufficient water to sample							
	10/07/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
SVE-1	01/04/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/18/09	390	6,600	2,500	12,000	<20	0.051^a	<20	1,170
	03/24/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							
	10/04/11	150	1,600	500	8,700	<50	0.43^a	<50	220
	01/05/12	<10	130	330	3,400	<10	0.037 ^a	<10	870

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-1 (cont.)	04/10/12	<10	28	150	2,400	<10	<0.010 ^a	<10	1,090
	07/19/12	<10	15	160	1,800	<10	<0.010 ^a	<10	720
	10/10/12	<10	<10	90	930	<10	<0.010 ^a	<10	530
	11/20/12	<10	13	92	910	<10	<10	10	510
	12/28/12	<10	<10	13	440	<10	<10	<10	62
	01/09/13	<10	<10	<10	120	<10	<0.010 ^a	<10	21
	02/16/13	<10	<10	<10	290	<10	<10	<10	46
	04/03/13	<5.0	<5.0	<5.0	22	<5.0	<0.010 ^a	<5.0	<50
	05/13/13	<2.0	<2.0	<2.0	12	<2.0	<2.0	<2.0	<20
	06/26/13	<2.0	<2.0	<2.0	66	<2.0	<0.010 ^a	<2.0	7.6
	07/20/13	<1.0	<1.0	<1.0	16	<1.0	<2.0	<1.0	2.7
	09/19/13	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<20
	09/21/13	Hydrogen peroxide in this well (15 gallons)							
	10/26/13	Hydrogen peroxide in this well (15 gallons)							
	11/07/13	<2.0	<2.0	<2.0	16	<2.0	<2.0	<2.0	<20
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/17/13	<10	<10	<10	360	<10	<0.010 ^a	<10	89
	01/21/14	<2.0	3.1	2.9	200	<2.0	<0.010 ^a	<2.0	133
	02/12/14	<10	<10	<10	170	<10	<0.010 ^a	<10	82
	03/29/14	Hydrogen peroxide in this well (10 gallons)							
	04/08/14	<2.0	<2.0	<2.0	31	<2.0	<0.010 ^a	<2.0	<20
	05/17/14	Hydrogen peroxide in this well (10 gallons)							
	07/18/14	<2.0	<2.0	<2.0	93	<2.0	<0.010 ^a	<2.0	109
	09/26/14	<10	<10	<10	47	<10	<0.010 ^a	<10	234

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-1 (cont.)	10/27/15	2.0	2.6	1.3	6.3	<1.0	<1.0	<1.0	20.3
	04/04/16	1.5	<1.0	4.1	5.2	<1.0	<1.0	<1.0	23.1
	12/14/16	1.1	<1.0	<1.0	3.7	<1.0	<0.010 ^a	<1.0	9.6
	08/14/17	<1.0	<1.0	2.4	27	<1.0	<0.0093 ^a	<1.0	42
	02/21/18	<1.0	<1.0	<1.0	8.3	<1.0	<0.010 ^a	<1.0	12
	08/09/18	<1.0	<1.0	1.4	20	<1.0	<0.0095 ^a	<1.0	43
	02/22/19	<2.0	<2.0	<2.0	15	<2.0	<0.0094 ^a	<2.0	55
	09/23/19	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<8.0
SVE-2	03/26/10	470	250	34	170	<1.0	0.25^a	1.6	22
	09/28/10	Insufficient water to sample							
	through								
	10/04/11								
	01/05/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/11/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/19/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	5.6
	10/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	19
	01/09/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.038 ^a	<1.0	24.4
	04/03/13	3.4	<1.0	<1.0	<1.5	<1.0	<0.087 ^a	<1.0	33.8
	06/26/13	8.9	<2.0	<2.0	<3.0	<2.0	0.13^a	<2.0	9.2
	09/19/13	11	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	9
	10/26/13	Hydrogen peroxide in this well (15 gallons)							
	12/17/13	<1.0	<1.0	<1.0	<1.5	<1.0	0.27^a	<1.0	<10
	01/21/14	1.6	<1.0	<1.0	<1.5	<1.0	0.25^a	<1.0	4.4
	02/12/14	6.4	1.2	<1.0	<1.5	<1.0	0.88^a	<1.0	31.5

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-2 (cont.)	03/29/14	Hydrogen peroxide in this well (10 gallons)							
	04/08/14	<1.0	<1.0	<1.0	<1.5	<1.0	0.028 ^a	<1.0	<10
	05/17/14	Hydrogen peroxide in this well (10 gallons)							
	07/18/14	10	<2.0	<2.0	13	<2.0	0.82^a	<2.0	28
	09/25/14	6.9	<1.0	<1.0	5.7	<1.0	0.50^a	<1.0	45
	10/27/15	3.7	17	3.3	68	<1.0	<1.0	<1.0	178
	04/04/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0093 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0096 ^a	<1.0	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	02/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
SVE-3	03/24/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							
	10/04/11	650	21,000	9,900	63,000	<200	14^a	<200	6,500
	01/05/12	600	12,000	4,100	24,000	<200	9.2^a	<200	4,220
	04/11/12	350	9,300	2,900	19,000	<200	4.1^a	<200	1,500
	07/19/12	1,000	19,000	3,200	20,000	<100	4.3^a	<100	1,640
	10/11/12	960	19,000	3,800	27,000	<100	11^a	<100	2,750
	11/21/12	880	12,000	3,200	22,000	<100	<100	<100	1,300
	12/28/12	590	14,000	2,900	20,000	<50	<50	<50	1,150
	01/10/13	290	7,100	1,700	11,000	<50	2.6^a	<50	1,200
	02/16/13	320	8,100	1,700	12,000	<50	<50	<50	1,840
	04/03/13	390	10,000	2,300	14,000	<50	2.4^a	<50	1,020

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-3 (cont.)	05/13/13	210	7,300	2,000	13,000	<50	<50	<50	770
	06/26/13	340	9,900	2,400	16,000	<50	2.8 ^a	<50	960
	07/20/13	300	10,000	2,600	20,000	<50	<50	<50	3,020
	09/19/13	190	6,000	1,500	10,000	<50	<50	<50	810
	09/21/13	Hydrogen peroxide in this well (15 gallons)							
	10/11/13	60	2,000	700	6,100	<50	<50	<50	1,050
	10/26/13	Hydrogen peroxide in this well (55 gallons)							
	11/07/13	250	6,500	1,500	12,000	<50	<50	<50	1,720
	11/09/13	Hydrogen peroxide in this well (20 gallons)							
	12/17/13	100	3,100	1,100	9,900	<50	2.1 ^a	<50	1,640
	01/21/14	130	4,700	1,400	11,000	<10	2.0 ^a	<10	1,350
	02/12/14	120	5,900	1,800	13,000	<50	2.1 ^a	<50	1,550
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	04/08/14	140	5,000	1,400	10,000	<50	1.5 ^a	<50	660
	05/17/14	Hydrogen peroxide in this well (20 gallons)							
	07/18/14	120	3,500	1,100	8,800	<50	1.9 ^a	<50	1,090
	09/26/14	110	3,600	1,100	9,300	<50	1.9 ^a	<50	1,740
	10/27/15	<1.0	<1.0	<1.0	9.5	<1.0	<1.0	<1.0	57
	04/04/16	14	77	190	3,000	<1.0	<1.0	<1.0	1,110
	12/15/16	7.1	24	54	1,200	<10	0.017 ^a	<10	1,040
	08/15/17	35	100	150	1,300	<5.0	0.076 ^a	<5.0	980
	02/21/18	30	110	240	2,200	<5.0	0.047 ^a	<5.0	720
	08/10/18	12	40	120	1,100	<5.0	0.015 ^a	<5.0	640
	02/22/19	5.8	35	110	620	<10	<0.0094 ^a	<10	840

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-3 (cont.)	09/25/19	20	81	200	1,500	<10	<10	<10	730
SVE-4	03/26/10	79	75	16	120	<1.0	0.32^a	<1.0	34.6
	09/28/10	71	150	<1.0	58	<1.0	2.0^a	<1.0	3.1
	12/06/10	28	28	<1.0	40	<1.0	0.35^a	<1.0	3.5
	03/10/11	47	11	<1.0	85	<1.0	0.076^a	<1.0	21
	06/15/11	520	480	54	560	<1.0	2.4^a	<1.0	132
	10/05/11	5.4	3.7	<2.0	20	<2.0	0.037 ^a	<2.0	<20
	02/16/13	<1.0	1.1	<1.0	4.1	<1.0	<1.0	<1.0	<10
	05/13/13	<2.0	2.1	<2.0	<3.0	<2.0	<2.0	<2.0	<20
	07/20/13	1.3	19	5.1	79	<1.0	<1.0	<1.0	4.2
	11/07/13	7.1	2.3	<1.0	10	<1.0	<1.0	<1.0	<10
	12/14/16	Ozone emitter stuck in well							
SVE-5	03/24/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							
	through								
	06/14/11								
	10/05/11	110	1,900	1,400	8,400	<100	<0.010 ^a	100	380
	01/04/12	570	180	190	1,300	57	<0.010 ^a	290	570
	04/11/12	200	64	49	250	41	<0.010 ^a	200	190
	07/18/12	36	15	<5.0	49	48	<0.010 ^a	190	14
	10/10/12	17	9.6	8.2	26	33	<0.010 ^a	140	<50
	01/09/13	11	12	10	39	23	<0.010 ^a	92	25.1
	04/03/13	14	22	23	86	24	<0.010 ^a	85	46
	06/26/13	9.5	9.4	11	35	20	<0.010 ^a	77	24.1

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-5 (cont.)	09/19/13	7.8	2.2	9.0	25	22	<2.0	85	45
	10/26/13	Hydrogen peroxide in this well (15 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	12/17/13	<1.0	<1.0	<1.0	<1.5	3.2	<0.010 ^a	7.9	<10
	01/21/14	<2.0	<2.0	<2.0	6.7	<2.0	0.051^a	3.6	<20
	02/12/14	<1.0	<1.0	<1.0	39	<1.0	0.073^a	3.1	3.5
	03/29/14	Hydrogen peroxide in this well (10 gallons)							
	04/08/14	<1.0	<1.0	<1.0	5.3	<1.0	0.011 ^a	<1.0	<10
	05/17/14	Hydrogen peroxide in this well (10 gallons)							
	07/18/13	<2.0	<2.0	<2.0	29	<2.0	0.025 ^a	<2.0	<20
	12/14/16	1.0	1.2	23	260	<1.0	<0.010 ^a	<1.0	1,230
	02/21/18	<1.0	<1.0	12	120	<1.0	<0.0094 ^a	<1.0	384
SVE-6	12/06/10	Insufficient water to sample							
	through								
	10/04/11								
	02/16/13	<10	<10	21	210	<10	<10	28	1,190
	05/13/13	<10	<10	25	81	<10	<10	32	660
	07/20/13	<10	<10	<10	44	<10	<10	36	46
	10/26/13	Hydrogen peroxide in this well (15 gallons)							
	11/07/13	<1.0	<1.0	2.2	17	2.9	<1.0	27	49
	11/09/13	Hydrogen peroxide in this well (20 gallons)							
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	05/17/14	Hydrogen peroxide in this well (20 gallons)							
	07/15/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.8	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-6 (cont.)	12/16/16	<1.0	1.3	30	17	<1.0	<0.010 ^a	<1.0	420
	02/21/18	<2.0	<2.0	92	19	<2.0	0.016 ^a	<2.0	400
SVE-7	12/06/10	Insufficient water to sample							
	through								
	10/04/11								
	02/16/13	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<20
	12/16/16	<1.0	<1.0	3.7	<1.5	<1.0	<0.010 ^a	<1.0	189.6
SVE-8	03/25/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	09/28/10	Insufficient water to sample							
	through								
	10/04/11								
	12/15/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/20/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
SVE-9	03/24/10	Well not sampled due to presence of NAPL							
	12/06/10	Insufficient water to sample							
	10/04/11	Insufficient water to sample							
	04/04/13	11	290	200	990	<10	<0.098 ^a	<10	530
	06/25/13	<100	2,000	1,300	6,400	<100	0.18^a	<100	680
	09/18/13	14	960	580	3,200	<10	<10	<10	1,540
	09/21/13	Hydrogen peroxide in this well (15 gallons)							
	10/26/13	Hydrogen peroxide in this well (30 gallons)							
	11/09/13	Hydrogen peroxide in this well (10 gallons)							
	03/29/14	Hydrogen peroxide in this well (20 gallons)							
	04/10/14	<5.0	<5.0	<5.0	<7.5	<5.0	0.024 ^a	<5.0	<50

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-9 (cont.)	05/17/14	Hydrogen peroxide in this well (20 gallons)							
	07/17/14	<5.0	<5.0	<5.0	19	<5.0	0.098^a	<5.0	23
	12/15/16	<1.0	<1.0	<1.0	<1.5	<1.0	0.27^a	<1.0	<10
SVE-10D	12/07/10	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.9	<10
	03/10/11	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	06/16/11	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	10/05/11	<2.0	<2.0	<2.0	16	<2.0	0.037 ^a	<2.0	<20
	01/06/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/16/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/19/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0096 ^a	<1.0	<10
SVE-11D	12/06/10	4,300	1,800	830	1,200	36	0.028 ^a	150	262
	03/11/11	3,100	68	150	130	97	<0.010 ^a	250	110
	06/15/11	3,500	230	190	280	<10	0.058^a	280	130
	10/04/11	2,400	100	45	600	<10	0.28^a	160	433
	01/05/12	1,100	110	29	660	29	0.61^a	72	650
	04/11/12	3,900	13	110	55	110	0.025 ^a	240	<100
	07/18/12	17	<1.0	<1.0	<1.5	1.3	0.017 ^a	2.9	<10
	10/10/12	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	11/20/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<15
	12/28/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	01/10/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/03/13	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/15/16	<1.0	<1.0	4.1	3.8	<1.0	<0.010 ^a	<1.0	32

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SVE-11D (cont.)	02/21/18	<1.0	<1.0	<1.0	6.1	<1.0	<0.0095 ^a	<1.0	201
	09/23/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<4.0
TMW-06	07/18/12 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	10/10/12 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	01/09/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<2.0
	04/03/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<10
	01/21/14 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	<1.0	<10
	04/08/14 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/16/14 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	04/06/16 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
TMW-06D	07/17/12 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	5.4	<10
	10/10/12 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	6.4	<10
	01/08/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	7.0	<2.0
	04/03/13 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	6.6	<10
	01/21/14 ^e	<1.0	<1.0	<1.0	<2.0	<1.0	<0.010 ^a	6.9	<10
	04/08/14 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	6.0	<10
	07/16/14 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	6.4	<10
	04/06/16 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	1.2	<10
	12/14/16 ^e	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
TWN-1	03/24/14	<2.0	<2.0	<2.0	<3.0	<2.0	0.023 ^a	<2.0	<20
	07/17/14	<2.0	<2.0	<2.0	<3.0	<2.0	<0.010 ^a	<2.0	<20
	10/26/15	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	04/04/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
TWN-1 (cont.)	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10
	08/14/17	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
	02/19/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
	02/20/19	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0094 ^a	<1.0	<10
TWN-2	03/25/14	<10	<10	<10	610	<10	3.4^a	<10	462
	07/17/14	8.5	<5.0	<5.0	110	<5.0	0.55^a	5.8	151
	09/24/14	<5.0	<5.0	<5.0	64	<5.0	0.18^a	<5.0	247
	10/26/15	420	76	11	870	<10	50	27	850
	04/04/16	66	46	9.5	840	<5.0	26	6.3	670
	12/14/16	210	130	24	1,300	<5.0	39	12	1,220
	08/14/17	270	210	26	1,600	<10	23	<10	1,130
	02/20/18	3.4	1.6	<1.0	26	<1.0	0.53^a	14	57
	08/08/18	1.4	<1.0	<1.0	4.6	<1.0	0.15^a	8.6	5.7
	02/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	0.060^a	15	<10
	09/24/19	3.1	<1.0	<1.0	<1.5	<1.0	0.14^a	6.3	<4.0
TWN-3	03/24/14	2,800	5,200	1,600	17,000	<50	230^a	63	1,190
	07/17/14	360	620	140	4,300	<10	40^a	16	820
	09/24/14	490	730	51	2,000	<20	38	<20	700
	10/26/15	11,000	10,000	180	7,400	<10	73	240	955
	04/06/16	6,100	5,700	150	10,000	<100	100	160	540
	12/14/16	4,900	3,200	130	6,400	<5.0	64	120	685
	08/14/17	1,200	400	<20	1,200	<20	9.1^a	38	120
	02/19/18	1.4	<1.0	<1.0	<1.5	<1.0	0.20^a	<1.0	<10

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
TWN-3 (cont.)	08/08/18	310	140	86	900	<1.0	3.8^a	33	100
	02/20/19	170	31	29	170	<1.0	1.5^a	19	43
	09/23/19	29	1.2	1.9	12	<1.0	4.4^a	1.6	5.0
TWS-1	03/24/14	140	3,100	1,600	8,100	<50	0.51^a	<50	1,170
	07/18/14	<5.0	18	9.6	130	<5.0	<0.010 ^a	<5.0	32
	09/25/14	<5.0	170	57	470	<5.0	<0.010 ^a	<5.0	89
	10/26/15	570	4,100	690	4,400	<10	<10	<10	676
	04/06/16	<2.0	3.8	2.1	170	<2.0	<2.0	<2.0	81
	12/14/16	<1.0	<1.0	<1.0	10	<1.0	<0.010 ^a	<1.0	8.2
	08/15/17	<1.0	<1.0	<1.0	1.7	<1.0	<0.0094 ^a	<1.0	9.8
	02/21/18	<1.0	<1.0	<1.0	12	<1.0	<0.0093 ^a	<1.0	24.2
	08/08/18	<1.0	<1.0	<1.0	9.9	<1.0	<0.0095 ^a	<1.0	22.7
	02/21/19	<1.0	<1.0	<1.0	8.2	<1.0	<0.0095 ^a	<1.0	27.8
	09/23/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<4.0
TWS-2	03/24/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/15/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
TWS-3	03/24/14	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	07/15/14	<2.0	<2.0	<2.0	<3.0	<2.0	<0.020 ^a	<1.0	<20
	12/14/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 ^a	<1.0	<10
	02/21/18	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095 ^a	<1.0	<10
TWS-4	03/24/14	2,200	4,400	900	3,400	<10	1.7^a	46	193
	07/15/14	400	72	79	210	<20	0.075^a	41	<200 ^h

**TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Total Naphthalenes
TWS-4 (cont.)	09/24/14	1,400	510	380	840	<10	0.43^a	45	331
	10/27/15	1,800	4,300	760	3,500	<100	<100	<100	<1000 ^h
	04/05/16	750	1,000	530	2,200	<20	<20	<20	140
	12/14/16	540	700	620	2,200	<20	0.14^a	<20	170
	08/14/17	300	220	340	930	<10	<0.0094 ^a	<10	87
	02/21/18	260	410	470	1,300	<5.0	0.039 ^a	7.2	167
	08/08/18	120	170	220	530	<5.0	0.014 ^a	9.4	98
	02/20/19	140	270	230	510	<5.0	<0.0095 ^a	7.4	89
	09/24/19	410	1,600	760	2,200	<1.0	0.056^a	6.9	308
NMWQCC Standards		5	1,000	700	620	100	0.05	5	30
Notes: Bold indicates concentration that exceed the New Mexico Water Quality Control Commission (NMWQCC) standard. All concentrations reported in micrograms per liter (µg/L). All samples analyzed in accordance with EPA method 8260B, unless otherwise noted. ^a Analyzed in accordance with EPA Method 504.1. ^b Analyzed in accordance with EPA Method 8310. ^c Analyzed in accordance with EPA Method 8021 (HBC, 1999). ^d Data from RT Hicks Consulting (October 2002). ^e Laboratory results provided by Santa Fe County subcontractor. MTBE = Methyl tertiary-butyl ether EDB = 1,2-Dibromoethane EDC = 1,2-Dichloroethane NA = Not Applicable NAPL = Nonaqueous-phase liquid									

**TABLE 5. SUMMARY OF DISSOLVED METALS, ANIONS, AND METHANE
SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO**

Monitor Well	Date Sampled	Sulfate	Sulfide	Nitrate (as N)	Dissolved Iron	Dissolved Manganese	Methane
CMW-1	9/24/2019	85	0.199	18	1.1	2.2	<0.0100
CMW-3R	9/24/2019	130	<0.0500	36	0.12	0.093	<0.0100
CMW-4	9/23/2019	110	<0.0500	22	1.3	1.5	NA
MW-1R	9/24/2019	<2.5	<0.0500	1.0	15	31	0.440
MW-4R	9/24/2019	47	<0.0500	<0.50	0.36	4.9	<0.0100
MW-6	9/23/2019	120	<0.0500	<1.0	2.9	6.9	NA
MW-11	9/23/2019	200	<0.0500	1.6	0.12	3.8	<0.0100
MW-15	9/24/2019	96	<0.0500	0.11	0.032	0.51	NA
SFCMW-01	9/23/2019	75	<0.0500	<1.0	0.68	7.0	0.0251
SFCMW-02	10/25/2019	79	<0.0500	3.8	0.022	3.4	NA
SFCMW-03	10/25/2019	100	<0.0500	8.1	<0.020	0.14	NA
SFCMW-07	9/24/2019	70	<0.0500	<0.10	0.030	3.1	NA
SFCMW-10	9/23/2019	79	<0.0500	1.8	0.14	10	<0.0100
SVE-1	9/23/2019	110	<0.0500	3.4	0.10	7.4	NA
SVE-3	9/25/2019	29	<0.0500	<1.0	2.5	6.9	<0.0100
SVE-11D	9/23/2019	130	<0.0500	37	<0.020	2.3	NA
TWN-2	9/24/2019	210	<0.0500	0.28	0.023	1.8	NA
TWN-3	9/23/2019	390	<0.0500	12	<0.020	0.42	<0.0100
TWS-1	9/23/2019	69	<0.0500	23	0.19	0.022	NA
TWS-4	9/24/2019	<0.50	<0.0500	0.29	2.6	7.1	<0.0100
NMWQCC Standards		600	--	10	1.0	0.2	--
Notes: Bold indicates concentration that exceeds the applicable NMWQCC standard. All concentrations reported in milligrams per liter (mg/L). N = Nitrogen NA = Not analyzed per the approved work plan. NMWQCC = New Mexico Water Quality Control Commission							

**APPENDIX A
WELL SAMPLING FIELD FORMS**

Ground Water Sampling Data Sheet

Well ID:	CMW-1	Sample ID:	CMW-1	Sample Time:	0640
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Casing diameter/type: 2" PVC	Well location: SFGJC	Weather: 75°F SUNNY
Screened interval(s): 25'-35'	Sampling personnel: E. ANDERMAN	
Total depth: 34.75'	Sampling method: Low-flow	
Initial depth to water (w/o pump): 21.40'	Water level indicator: SOLIN ST	
Final depth to water (w/o pump):	Water quality meter: XST PRO DSS	
Measuring point: top of casing	Pump depth setting: 30'	Pump type/model: MEGA MONSOON

[illegible]

→ PASSES PUMPING
TO LET WATER
RECHARGE

Parameter Stabilization Limits (4 consecutive readings; 3 consecutive Δ 's) for percent difference type parameters.

$$\text{Percent difference formula} = \frac{\text{ABS}[(\text{first reading} - \text{second reading})/\text{first reading}] \times 100}{1}$$

Ex: Readings 12, 16, 15, 13.
 $((12-16)/12)*100 = 33\%$ $((16-15)/16)*100 = 6\%$
 $((15-13)/15)*100 = 13\%$ In ex. stabilization has not occurred.

1625: DRAWDOWN OCCURRING RAPIDLY,
SAMPLE TAKEN EARLY,
CANNOT MAINTAIN FLOW AT
LOWEST PUMP SETTING WITH PUMP
LOWERED TO 32' BGS

Wells will not be pruged to dryness prior to sampling to prevent erroneous field parameters and ground water samples.

Recorded By: E. ANDERMAN

Ground Water Sampling Data Sheet

Well ID: 8 CMW-3R Sample ID: CMW-3R Sample Time: 1820

Casing diameter/type: 2" PVC	Well location: SFOJC	Weather: 70°F SUNNY
Screened interval(s): 22'-38'	Sampling personnel: E. ANDERMAN	
Total depth: 35.7	Sampling method: Low-flow	
Initial depth to water (w/o pump): 19.99	Water level indicator: SOLWEST	
Final depth to water (w/o pump):	Water quality meter: YSI PRO DSS	
Measuring point: top of casing	Pump depth setting: 30'	Pump type/model: MEGA MONSOON

[illegible]

Parameter Stabilization Limits (4 consecutive readings; 3 consecutive Δ 's) for percent difference type parameters.

Percent difference formula =

$$\text{ABS}[(\text{first reading} - \text{second reading})/\text{first reading}] \times 100]$$

Ex: Readings 12, 16, 15, 13

$$((12-16)/12)*100 = 33\% \quad ((16-15)/16)*100 = 6\%$$

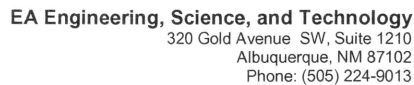
$((15-13)/15)*100 = 13\%$ In ex. stabilization has not occurred.

Wells will not be pruged to dryness prior to sampling to prevent erroneous field parameters and ground water samples.

Recorded By: E. ANDERMAN



2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID MW-15 Date gauged 9/24/19
Site SFCJC Time gauged 930
Depth to PSH — Feet Well diameter 4 Inches
Depth to water 25.29 Feet Height of fluid column 19.05 Feet
Total depth 44.34 Feet Volume in well 12.53 Gallons
NAPL thickness — Feet
(3 well volumes = 37.71 gallons)

After Bailing NAPL

Depth to PSH — Feet

Depth to water — Feet

NAPL thickness 0.0 Feet

NAPL Recovered 0 Gallons

GROUNDWATER SAMPLING DATA

Time/date purged 0938 9/24/19 Purge Method Hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
0938	1.00	15.6	949	7.40	116.9	6.33
0944	5.00	15.7	933	7.46	88.7	6.08
0953	10.00	15.7	982	7.29	79.1	6.43
1004	15.00	15.8	997	7.20	78.9	5.61
1013	20.00	15.8	1065	7.14	78.4	4.61
1023	25.00	15.4	1288	7.15	90.1	1.77
1033	30.00	15.5	1129	7.14	82.2	3.94
1042	35.00	15.7	1147	7.11	79.3	3.95
1053	38.00	15.6	1126	7.13	75.6	3.91
<u>Hand Bailed</u>						
<u>0.0</u>						

Actual purge volume 38.25 gal. Field measurements stabilized within ± 10%? N

Time/date sampled 1100 9/24/19 Purged/sampled by C. Landers

Sample method New bailers and twine

Requested analyses Fe, Mn Sulfate Nitrate Vol% Sulfide EDB

Comments/observations - vent cap on well, used pliers and pulled straight up
- Left 1.0 gal bailer hanging in well for future use.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

Ground Water Sampling Data Sheet

Well ID: SFC MW-01 Sample ID: SFC MW-01 Sample Time: 1645

Casing diameter/type: 6" PVC	Well location: SJCTC	Weather: 75°F SUNNY
Screened interval(s): 27'-42'	Sampling personnel: E. ANDERMAN	
Total depth: 39.15	Sampling method: Low-flow	
Initial depth to water (w/o pump): 29.99	Water level indicator: SOLINIST	
Final depth to water (w/o pump): 30.26	Water quality meter: YSI DSS PRO	
Measuring point: top of casing	Pump depth setting: 34.57	Pump type/model: MEGA MONSOON

[illegible]

Parameter Stabilization Limits (4 consecutive readings; 3 consecutive Δ 's) for percent difference type parameters.

Percent difference formula =

$$\text{ABS}[((\text{first reading} - \text{second reading})/\text{first reading}) \times 100]$$

Ex: Readings 12, 16, 15, 13

$$((12-16)/12)*100 = 33\% \quad ((16-15)/16)*100 = 6\%$$

$((15-13)/15)*100 = 13\%$ In ex. stabilization has not occurred.

Wells will not be pruged to dryness prior to sampling to prevent erroneous field parameters and ground water samples.

Recorded By: E. ANDERMAN



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MONITORING WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID	<u>SFCMW-07</u>	Date gauged	<u>10-25-19</u>
Site	<u>SFCJC</u>	Time gauged	<u>0856</u>
Depth to PSH	<u>—</u> Feet	Well diameter	<u>6</u> Inches
Depth to water	<u>30.02</u> Feet	Height of fluid column	<u>12.38</u> Feet
Total depth	<u>42.4</u> Feet	Volume in well	<u>18.57</u> Gallons
NAPL thickness	<u>—</u> Feet		

(3 well volumes = 55.71 gallons)

After Bailing NAPL

Depth to PSH — Feet

Depth to water — Feet

NAPL thickness — Feet

NAPL Recovered — Gallons

GROUNDWATER SAMPLING DATA

Time/date purged 0903 10-25-19 Purge Method HAND BAILED

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>0903</u>	<u>10</u>	<u>12.8</u>	<u>777.6</u>	<u>6.53</u>	<u>140</u>	<u>2.37</u>
<u>0919</u>	<u>20</u>	<u>14.7</u>	<u>778.0</u>	<u>6.80</u>	<u>54</u>	<u>2.89</u>
<u>0930</u>	<u>40</u>	<u>15.3</u>	<u>811.2</u>	<u>6.91</u>	<u>91</u>	<u>2.78</u>
<u>0938</u>	<u>55</u>	<u>14.7</u>	<u>837.7</u>	<u>7.01</u>	<u>58</u>	<u>2.69</u>

Actual purge volume 56 gal. Field measurements stabilized within ± 10%? Yes

Time/date sampled 0951 10-25-19 Purged/sampled by E. ANDERMAN

Sample method NEW BAUER & TWINE

Requested analyses

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



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MONITORING WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID SFCMW-03 Date gauged 10-25-19
Site SFCJTC Time gauged 1002
Depth to PSH — Feet Well diameter 6 Inches
Depth to water 31.19 Feet Height of fluid column 8.61 Feet
Total depth 39.8 Feet Volume in well 12.92 Gallons
NAPL thickness — Feet
(3 well volumes = 38.75 gallons)

After Bailing NAPL

Depth to PSH — Feet

Depth to water — Feet

NAPL thickness — Feet

NAPL Recovered — Gallons

GROUNDWATER SAMPLING DATA

Time/date purged 1011 10-25-19 Purge Method HAND BAILED

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1011	10	13.9	1038	7.18	61	2.66
1018	15	16.1	976.5	7.20	45	3.44
1028	30	15.7	984.9	7.29	97	3.26
1034	38	15.9	989.3	7.31	102	2.78

Actual purge volume 39 gal. Field measurements stabilized within ± 10%? YES

Time/date sampled 1040 10-25-19 Purged/sampled by E. ANDERMAN

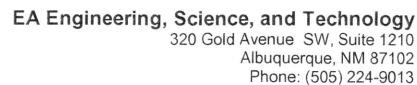
Sample method NEW BAUER & TWINE

Requested analyses

Comments/observations

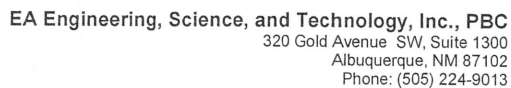
Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft



2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

Recorded By:



FLUID LEVEL DATA

Well ID	<u>SVE-1</u>	Date gauged	<u>09-23-19</u>
Site	<u>SFCJC</u>	Time gauged	<u>1146</u>
Depth to PSH	<u> </u> Feet	Well diameter	<u>4</u> Inches
Depth to water	<u>29.44</u> Feet	Height of fluid column	<u>9.11</u> Feet
Total depth	<u>38.55</u> Feet	Volume in well	<u>6.01</u> Gallons
NAPL thickness	<u> </u> Feet		
		(3 well volumes = <u>18.04</u> gallons)	

After Bailing NAPL

Depth to PSH Feet

Depth to water Feet

NAPL thickness Feet

NAPL Recovered Gallons

Time/date purged 1154 09-23-19 Purge Method HAND BAILED

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1154	0.25	18.6	2517	7.31	73.6	2.22
1201	6.0	17.5	2396	6.70	20.4	1.53
CPL 9/23/19						

Actual purge volume 6.25 gal. Field measurements stabilized within $\pm 10\%$? No

Time/date sampled 1215 09-23-19 Purged/sampled by E. ANDERMAN

Sample method NEW BAILER & TWINE

Requested analyses Fe/Mn, SULFATE, NITRATE, VOCs, SULFIDE.

Comments/observations BAILING DRY @ 6.00 Gal. SAMPLE TAKEN EARLY.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

Ground Water Sampling Data Sheet

Well ID: SVE-3 Sample ID: SVE-3 Sample Time: 0800

Casing diameter/type: 4" PVC	Well location: SFCJC	Weather: 60°F SUNNY
Screened interval(s): 16'-41'	Sampling personnel: E. ANDERMAN	
Total depth: 31.3	Sampling method: Low-flow	
Initial depth to water (w/o pump): 25.65'	Water level indicator: SONIST	
Final depth to water (w/o pump): 29.56'	Water quality meter: YSI PRO DSS	
Measuring point: top of casing	Pump depth setting: 31'	Pump type/model: MORA MORAISON

[illegible]

Parameter Stabilization Limits (4 consecutive readings; 3 consecutive Δ 's) for percent difference type parameters.

Percent difference formula =

$$\text{ABS}[(\text{first reading} - \text{second reading}) / \text{first reading}] \times 100]$$

Ex: Readings 12, 16, 15, 13

$$((12-16)/12)*100 = 33\% \quad ((16-15)/16)*100 = 6\%$$

$((15-13)/15)*100 = 13\%$ In ex. stabilization has not occurred.

Wells will not be pruged to dryness prior to sampling to prevent erroneous field parameters and ground water samples.

Recorded By: E. ANDERMAN



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MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID SVE-11D Date gauged 9/23/19
Site SFCJC Time gauged 1355
Depth to PSH Feet Well diameter 4 Inches
Depth to water 29.32 Feet Height of fluid column 5.37 Feet
Total depth 34.69 Feet Volume in well 3.54 Gallons
NAPL thickness Feet
(3 well volumes = 10.63 gallons)

After Bailing NAPL

Depth to PSH Feet

Depth to water Feet

NAPL thickness Feet

NAPL Recovered Gallons

GROUNDWATER SAMPLING DATA

Time/date purged 1400 9/23/19 Purge Method Hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>1400</u>	<u>0.25</u>	<u>16.9</u>	<u>1969</u>	<u>6.73</u>	<u>-3.1</u>	<u>2.27</u>
<u>1410</u>	<u>5.50</u>	<u>16.7</u>	<u>1981</u>	<u>6.55</u>	<u>30.0</u>	<u>2.84</u>
<u>1420</u>	<u>10.50</u>	<u>17.5</u>	<u>2107</u>	<u>6.58</u>	<u>50.2</u>	<u>2.60</u>

Actual purge volume 11.0 gal. Field measurements stabilized within ± 10%? N

Time/date sampled 1425 9/23/19 Purged/sampled by C Landers

Sample method New bailer and turbine

Requested analyses Fe, Mn Sulfate Nitrate Voc's Sulfide

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

Ground Water Sampling Data Sheet

Well ID: TWN-2 Sample ID: TWN-2 Sample Time: 1400

Casing diameter/type: 4" PVC	Well location: SFCJC	Weather: 75°F Sunny
Screened interval(s):	Sampling personnel: C. Landers	
Total depth: 63.63	Sampling method: Low-flow	
Initial depth to water (w/o pump): 25.38	Water level indicator: Solinst	
Final depth to water (w/o pump):	Water quality meter: Geotek YSI #3401	
Measuring point: top of casing	Pump depth setting: 45'	Pump type/model: Mega-Manson

3-5 min	$\Delta < 10\%$	$\Delta < 10\%$		$\Delta < 10\%$	$\Delta < 10\%$	$\Delta < 10\%$	$\Delta < 0.3 \text{ ft}$	$\leq 0.5 \text{ L/min}$	$< 10 \text{ NTU}$	cumulative	--- Parameter Stabilization Limits (see bottom of sheet)
Time	Temp (°C)	Conductivity (mS/cm) or (µS/cm)	DO (%)	DO (mg/L)	pH	ORP (mV)	Water Level (feet btoc)	Flow Rate (L/min) or (mL/min)	Turbidity (NTU)	Purge Volume (L) or (mL)	Additional Comments
1329	16.7	1347	4.2	0.38	7.18	53.5	25.82	600	—	—	
1334	16.6	1349	2.0	0.18	7.17	47.4	25.69	600	—	—	
1339	16.5	1363	1.3	0.12	7.17	43.7	25.72	600	—	—	
1344	16.5	1410	1.0	0.09	7.16	39.0	25.73	600	—	—	
1349	16.5	1471	1.0	0.10	7.13	37.0	25.73	600	—	—	
1354	16.5	1503	1.0	0.09	7.11	38.5	25.74	600	—	—	
CPL 9/24/19											

Parameter Stabilization Limits (4 consecutive readings; 3 consecutive Δ 's) for percent difference type parameters.

Percent difference formula =

$$\text{ABS}[\frac{(\text{first reading} - \text{second reading})}{\text{first reading}} \times 100]$$

Ex: Readings 12, 16, 15, 13

$$((12-16)/12)*100 = 33\% \quad ((16-15)/16)*100 = 6\%$$

$((15-13)/15)*100 = 13\%$ In ex. stabilization has not occurred.

Wells will not be pruged to dryness prior to sampling to prevent erroneous field parameters and ground water samples.

Recorded By:

Ground Water Sampling Data Sheet

Well ID: TWN-3 Sample ID: TWN-3 Sample Time: 0915

Casing diameter/type: 2" PVC	Well location: SFOJC	Weather: 65°F. SUNNY
Screened interval(s): 24'-39'	Sampling personnel: E. ANDEZMAN	
Total depth: 36.35'	Sampling method: Low-flow	
Initial depth to water (w/o pump): 25.02'	Water level indicator: SOLINST	
Final depth to water (w/o pump): 25.08'	Water quality meter: YSI PRO DDS	
Measuring point: top of casing	Pump depth setting: 30.7'	Pump type/model: MEB4 MONSOON

[illegible]

Parameter Stabilization Limits (4 consecutive readings; 3 consecutive Δ 's) for percent difference type parameters.

$$\text{Percent difference formula} = \frac{\text{ABS}((\text{first reading} - \text{second reading})/\text{first reading}) \times 100}{1}$$

Ex: Readings 12, 16, 15, 13
 $((12-16)/12)*100 = 33\%$ $((16-15)/16)*100 = 6\%$
 $((15-13)/15)*100 = 13\%$ In ex. stabilization has not occurred.

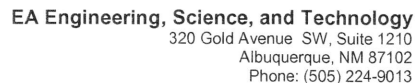
Wells will not be pruged to dryness prior to sampling to prevent erroneous field parameters and ground water samples.

Recorded By:

ANDERMAN

Fe/Mn	VOCs
SULFATE	SULFIDE
NITRATE	EDB
METHANE	H ₂ S

samples.



FLUID LEVEL DATA

Date gauged

9/23/19

Time gauged

1440

Well diameter 2 Inches

Height of fluid column 9.6 Feet

Volume in well 1.63 Gallons

NAPL thickness Feet

(3 well volumes = 4.90 gallons)

After Bailing NAPL

Depth to PSH ~~Feet~~

Depth to water _____ Feet

NAPL thickness, Feet

NAPL	9/23/19	
Recovered		Gallons

Time/date purged

1443 9/23/19

Purge Method

Hand Baited

Actual purge volume ~1.75 gal.

Field measurements stabilized within $\pm 10\%$?

N/A

Time/date sampled

1500 9/23/19

Purged/sampled by

c. Landers

Sample method

New barker and twine

Requested analyses

Fe, Mn Sulfate Nitrate VOC's Sulfide

Comments/observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

Recorded By:

APPENDIX B
ANALYTICAL LABORATORY REPORTS



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 16, 2019

Mike McVey
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL: (505) 224-9013
FAX

RE: SFCJC

OrderNo.: 1909E63

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/25/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: CMW-1

Project: SFCJC

Collection Date: 9/24/2019 4:40:00 PM

Lab ID: 1909E63-001

Matrix: AQUEOUS

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	85	2.5		mg/L	5	10/1/2019 10:02:42 PM	R63362
Nitrate+Nitrite as N	18	1.0	*	mg/L	5	10/2/2019 12:11:21 AM	R63362
EPA METHOD 6010B: DISSOLVED METALS							Analyst: bcv
Iron	1.1	0.10		mg/L	5	10/10/2019 4:24:13 PM	B63599
Manganese	2.2	0.010		mg/L	5	10/1/2019 12:22:18 PM	D63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.25	0.094		µg/L	10	10/3/2019 9:12:22 AM	47783
EPA METHOD 8260B: VOLATILES							Analyst: CCM
Benzene	150	10		µg/L	10	10/1/2019 3:22:00 AM	R63345
Toluene	4.9	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Ethylbenzene	3.7	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2,4-Trimethylbenzene	2.9	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Naphthalene	4.7	2.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1-Methylnaphthalene	ND	4.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
2-Methylnaphthalene	ND	4.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Acetone	21	10		µg/L	1	10/1/2019 3:46:00 AM	R63345
Bromobenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Bromodichloromethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Bromoform	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Bromomethane	ND	3.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
2-Butanone	ND	10		µg/L	1	10/1/2019 3:46:00 AM	R63345
Carbon disulfide	ND	10		µg/L	1	10/1/2019 3:46:00 AM	R63345
Carbon Tetrachloride	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Chlorobenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Chloroethane	ND	2.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Chloroform	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Chloromethane	ND	3.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
2-Chlorotoluene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
4-Chlorotoluene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
cis-1,2-DCE	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Dibromochloromethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Dibromomethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: CMW-1

Project: SFCJC

Collection Date: 9/24/2019 4:40:00 PM

Lab ID: 1909E63-001

Matrix: AQUEOUS

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: CCM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,1-Dichloroethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,1-Dichloroethene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2-Dichloropropane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,3-Dichloropropane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
2,2-Dichloropropane	ND	2.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,1-Dichloropropene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Hexachlorobutadiene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
2-Hexanone	ND	10		µg/L	1	10/1/2019 3:46:00 AM	R63345
Isopropylbenzene	4.1	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
4-Isopropyltoluene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
4-Methyl-2-pentanone	ND	10		µg/L	1	10/1/2019 3:46:00 AM	R63345
Methylene Chloride	ND	3.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
n-Butylbenzene	ND	3.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
n-Propylbenzene	1.0	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
sec-Butylbenzene	1.1	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Styrene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
tert-Butylbenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
trans-1,2-DCE	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Trichlorofluoromethane	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Vinyl chloride	ND	1.0		µg/L	1	10/1/2019 3:46:00 AM	R63345
Xylenes, Total	6.6	1.5		µg/L	1	10/1/2019 3:46:00 AM	R63345
Surr: 1,2-Dichloroethane-d4	90.0	70-130		%Rec	1	10/1/2019 3:46:00 AM	R63345
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	10/1/2019 3:46:00 AM	R63345
Surr: Dibromofluoromethane	94.4	70-130		%Rec	1	10/1/2019 3:46:00 AM	R63345
Surr: Toluene-d8	94.0	70-130		%Rec	1	10/1/2019 3:46:00 AM	R63345

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: CMW-3R

Project: SFCJC

Collection Date: 9/24/2019 6:20:00 PM

Lab ID: 1909E63-002

Matrix: AQUEOUS

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	130	10		mg/L	20	10/1/2019 11:07:04 PM	R63362
Nitrate+Nitrite as N	36	1.0	*	mg/L	5	10/2/2019 12:24:14 AM	R63362
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.12	0.020		mg/L	1	10/1/2019 8:57:17 AM	A63324
Manganese	0.093	0.0020		mg/L	1	10/1/2019 8:57:17 AM	A63324
EPA METHOD 8260B: VOLATILES							Analyst: CCM
Benzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Toluene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Ethylbenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2,4-Trimethylbenzene	47	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,3,5-Trimethylbenzene	13	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Naphthalene	6.6	2.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1-Methylnaphthalene	5.1	4.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
2-Methylnaphthalene	7.8	4.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Acetone	ND	10		µg/L	1	10/2/2019 2:41:00 PM	R63376
Bromobenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Bromodichloromethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Bromoform	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Bromomethane	ND	3.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
2-Butanone	ND	10		µg/L	1	10/2/2019 2:41:00 PM	R63376
Carbon disulfide	ND	10		µg/L	1	10/2/2019 2:41:00 PM	R63376
Carbon Tetrachloride	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Chlorobenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Chloroethane	ND	2.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Chloroform	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Chloromethane	ND	3.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
2-Chlorotoluene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
4-Chlorotoluene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
cis-1,2-DCE	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Dibromochloromethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Dibromomethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: CMW-3R

Project: SFCJC

Collection Date: 9/24/2019 6:20:00 PM

Lab ID: 1909E63-002

Matrix: AQUEOUS

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: CCM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,1-Dichloroethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,1-Dichloroethene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2-Dichloropropane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,3-Dichloropropane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
2,2-Dichloropropane	ND	2.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,1-Dichloropropene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Hexachlorobutadiene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
2-Hexanone	ND	10		µg/L	1	10/2/2019 2:41:00 PM	R63376
Isopropylbenzene	1.0	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
4-Isopropyltoluene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
4-Methyl-2-pentanone	ND	10		µg/L	1	10/2/2019 2:41:00 PM	R63376
Methylene Chloride	ND	3.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
n-Butylbenzene	3.2	3.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
n-Propylbenzene	1.7	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
sec-Butylbenzene	1.0	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Styrene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
tert-Butylbenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
trans-1,2-DCE	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Trichlorofluoromethane	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Vinyl chloride	ND	1.0		µg/L	1	10/2/2019 2:41:00 PM	R63376
Xylenes, Total	31	1.5		µg/L	1	10/2/2019 2:41:00 PM	R63376
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	1	10/2/2019 2:41:00 PM	R63376
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/2/2019 2:41:00 PM	R63376
Surr: Dibromofluoromethane	86.8	70-130		%Rec	1	10/2/2019 2:41:00 PM	R63376
Surr: Toluene-d8	98.6	70-130		%Rec	1	10/2/2019 2:41:00 PM	R63376

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SVE-3

Project: SFCJC

Collection Date: 9/25/2019 8:00:00 AM

Lab ID: 1909E63-003

Matrix: AQUEOUS

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	29	2.5		mg/L	5	10/1/2019 11:45:39 PM	R63362
Nitrate+Nitrite as N	ND	1.0		mg/L	5	10/2/2019 12:37:06 AM	R63362
EPA METHOD 6010B: DISSOLVED METALS							Analyst: bcv
Iron	2.5	0.10		mg/L	5	10/10/2019 4:30:46 PM	B63599
Manganese	6.9	0.020		mg/L	10	10/1/2019 12:26:48 PM	D63324
EPA METHOD 8260B: VOLATILES							Analyst: CCM
Benzene	20	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Toluene	81	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Ethylbenzene	200	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2,4-Trimethylbenzene	910	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,3,5-Trimethylbenzene	190	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Naphthalene	290	20		µg/L	10	10/1/2019 5:23:00 AM	R63345
1-Methylnaphthalene	280	40		µg/L	10	10/1/2019 5:23:00 AM	R63345
2-Methylnaphthalene	160	40		µg/L	10	10/1/2019 5:23:00 AM	R63345
Acetone	ND	100		µg/L	10	10/1/2019 5:23:00 AM	R63345
Bromobenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Bromodichloromethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Bromoform	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Bromomethane	ND	30		µg/L	10	10/1/2019 5:23:00 AM	R63345
2-Butanone	ND	100		µg/L	10	10/1/2019 5:23:00 AM	R63345
Carbon disulfide	ND	100		µg/L	10	10/1/2019 5:23:00 AM	R63345
Carbon Tetrachloride	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Chlorobenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Chloroethane	ND	20		µg/L	10	10/1/2019 5:23:00 AM	R63345
Chloroform	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Chloromethane	ND	30		µg/L	10	10/1/2019 5:23:00 AM	R63345
2-Chlorotoluene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
4-Chlorotoluene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
cis-1,2-DCE	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
cis-1,3-Dichloropropene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	10/1/2019 5:23:00 AM	R63345
Dibromochloromethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Dibromomethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2-Dichlorobenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,3-Dichlorobenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SVE-3

Project: SFCJC

Collection Date: 9/25/2019 8:00:00 AM

Lab ID: 1909E63-003

Matrix: AQUEOUS

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: CCM
1,4-Dichlorobenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Dichlorodifluoromethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,1-Dichloroethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,1-Dichloroethene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2-Dichloropropane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,3-Dichloropropane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
2,2-Dichloropropane	ND	20		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,1-Dichloropropene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Hexachlorobutadiene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
2-Hexanone	ND	100		µg/L	10	10/1/2019 5:23:00 AM	R63345
Isopropylbenzene	33	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
4-Isopropyltoluene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
4-Methyl-2-pentanone	ND	100		µg/L	10	10/1/2019 5:23:00 AM	R63345
Methylene Chloride	ND	30		µg/L	10	10/1/2019 5:23:00 AM	R63345
n-Butylbenzene	ND	30		µg/L	10	10/1/2019 5:23:00 AM	R63345
n-Propylbenzene	57	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
sec-Butylbenzene	11	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Styrene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
tert-Butylbenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	10/1/2019 5:23:00 AM	R63345
Tetrachloroethene (PCE)	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
trans-1,2-DCE	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
trans-1,3-Dichloropropene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2,3-Trichlorobenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2,4-Trichlorobenzene	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,1,1-Trichloroethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,1,2-Trichloroethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Trichloroethene (TCE)	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Trichlorofluoromethane	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
1,2,3-Trichloropropane	ND	20		µg/L	10	10/1/2019 5:23:00 AM	R63345
Vinyl chloride	ND	10		µg/L	10	10/1/2019 5:23:00 AM	R63345
Xylenes, Total	1500	15		µg/L	10	10/1/2019 5:23:00 AM	R63345
Surr: 1,2-Dichloroethane-d4	90.9	70-130		%Rec	10	10/1/2019 5:23:00 AM	R63345
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	10	10/1/2019 5:23:00 AM	R63345
Surr: Dibromofluoromethane	92.8	70-130		%Rec	10	10/1/2019 5:23:00 AM	R63345
Surr: Toluene-d8	93.2	70-130		%Rec	10	10/1/2019 5:23:00 AM	R63345

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: Trip Blank

Project: SFCJC

Collection Date:

Lab ID: 1909E63-004

Matrix: TRIP BLANK

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0095		µg/L	1	10/3/2019 1:25:18 AM	47783
EPA METHOD 8260B: VOLATILES							Analyst: CCM
Benzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Toluene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Ethylbenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Naphthalene	ND	2.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1-Methylnaphthalene	ND	4.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
2-Methylnaphthalene	ND	4.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Acetone	ND	10		µg/L	1	10/1/2019 5:46:00 AM	R63345
Bromobenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Bromodichloromethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Bromoform	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Bromomethane	ND	3.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
2-Butanone	ND	10		µg/L	1	10/1/2019 5:46:00 AM	R63345
Carbon disulfide	ND	10		µg/L	1	10/1/2019 5:46:00 AM	R63345
Carbon Tetrachloride	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Chlorobenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Chloroethane	ND	2.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Chloroform	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Chloromethane	ND	3.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
2-Chlorotoluene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
4-Chlorotoluene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
cis-1,2-DCE	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Dibromochloromethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Dibromomethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,1-Dichloroethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,1-Dichloroethene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2-Dichloropropane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909E63

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: Trip Blank

Project: SFCJC

Collection Date:

Lab ID: 1909E63-004

Matrix: TRIP BLANK

Received Date: 9/25/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: CCM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
2,2-Dichloropropane	ND	2.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,1-Dichloropropene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Hexachlorobutadiene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
2-Hexanone	ND	10		µg/L	1	10/1/2019 5:46:00 AM	R63345
Isopropylbenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
4-Isopropyltoluene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
4-Methyl-2-pentanone	ND	10		µg/L	1	10/1/2019 5:46:00 AM	R63345
Methylene Chloride	ND	3.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
n-Butylbenzene	ND	3.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
n-Propylbenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
sec-Butylbenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Styrene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
tert-Butylbenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
trans-1,2-DCE	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Trichlorofluoromethane	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Vinyl chloride	ND	1.0		µg/L	1	10/1/2019 5:46:00 AM	R63345
Xylenes, Total	ND	1.5		µg/L	1	10/1/2019 5:46:00 AM	R63345
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%Rec	1	10/1/2019 5:46:00 AM	R63345
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	10/1/2019 5:46:00 AM	R63345
Surr: Dibromofluoromethane	96.9	70-130		%Rec	1	10/1/2019 5:46:00 AM	R63345
Surr: Toluene-d8	92.1	70-130		%Rec	1	10/1/2019 5:46:00 AM	R63345

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

October 09, 2019

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Hall Environmental Analysis Laboratory

Sample Delivery Group: L1144893
Samples Received: 10/01/2019
Project Number:
Description:

Report To:

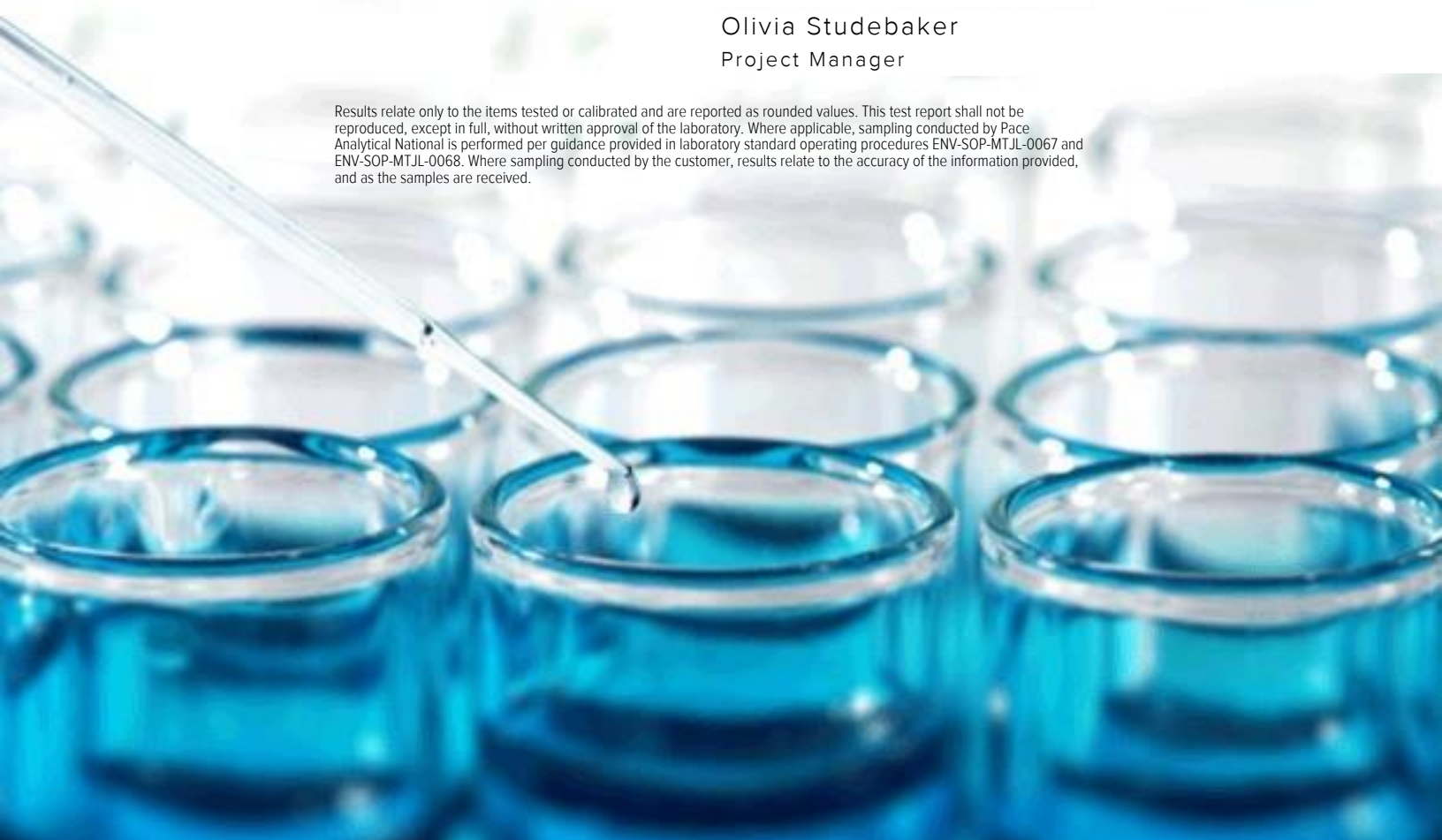
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By:



Olivia Studebaker
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



1909E63-001E CMW-1 L1144893-01 GW

				Collected by	Collected date/time	Received date/time
					09/24/19 16:40	10/01/19 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG1356589	1	10/03/19 13:48	10/03/19 13:48	DAH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

1909E63-001F CMW-1 L1144893-02 GW

				Collected by	Collected date/time	Received date/time
					09/24/19 16:40	10/01/19 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1355486	1	10/01/19 17:16	10/01/19 17:16	MJA	Mt. Juliet, TN
Wet Chemistry by Method 4500S2-H	WG1355486	1	10/03/19 16:09	10/03/19 16:09	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1355961	1	10/02/19 21:00	10/02/19 21:00	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1356959	1	10/03/19 16:09	10/03/19 16:09	AKA	Mt. Juliet, TN

⁴Cn

⁵Sr

⁶Qc

1909E63-002D CMW-3R L1144893-03 GW

				Collected by	Collected date/time	Received date/time
					09/24/19 18:20	10/01/19 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG1356589	1	10/03/19 13:50	10/03/19 13:50	DAH	Mt. Juliet, TN

⁷Gl

⁸Al

1909E63-002E CMW-3R L1144893-04 GW

				Collected by	Collected date/time	Received date/time
					09/24/19 18:20	10/01/19 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1355486	1	10/01/19 17:16	10/01/19 17:16	MJA	Mt. Juliet, TN
Wet Chemistry by Method 4500S2-H	WG1355486	1	10/03/19 16:09	10/03/19 16:09	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1355961	1	10/02/19 21:00	10/02/19 21:00	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1356959	1	10/03/19 16:09	10/03/19 16:09	AKA	Mt. Juliet, TN

⁹Sc

1909E63-003D SVE-3 L1144893-05 GW

				Collected by	Collected date/time	Received date/time
					09/24/19 20:00	10/01/19 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG1356589	1	10/03/19 13:53	10/03/19 13:53	DAH	Mt. Juliet, TN

1909E63-003E SVE-3 L1144893-06 GW

				Collected by	Collected date/time	Received date/time
					09/24/19 20:00	10/01/19 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1355486	1	10/01/19 17:16	10/01/19 17:16	MJA	Mt. Juliet, TN
Wet Chemistry by Method 4500S2-H	WG1355486	1	10/03/19 16:09	10/03/19 16:09	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1355961	1	10/02/19 21:00	10/02/19 21:00	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1356959	1	10/03/19 16:09	10/03/19 16:09	AKA	Mt. Juliet, TN

ACCOUNT:

Hall Environmental Analysis Laboratory

PROJECT:

SDG:

L1144893

DATE/TIME:

10/09/19 07:04

PAGE:

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Olivia Studebaker
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Methane	ND		0.0100	1	10/03/2019 13:48	WG1356589

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide,Dissolved	0.199		0.0500	1	10/01/2019 17:16	WG1355486

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	ND		0.0500	1	10/03/2019 16:09	WG1355486

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	12.1	T8	1	10/02/2019 21:00	WG1355961

Sample Narrative:

L1144893-02 WG1355961: 12.11 at 25.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	21600		10.0	1	10/03/2019 16:09	WG1356959



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Methane	ND		0.0100	1	10/03/2019 13:50	WG1356589

- 1Cp
- 2Tc
- 3Ss
- 4Cn
- 5Sr
- 6Qc
- 7Gl
- 8Al
- 9Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide,Dissolved	ND		0.0500	1	10/01/2019 17:16	WG1355486

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	ND		0.0500	1	10/03/2019 16:09	WG1355486

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	12.2	T8	1	10/02/2019 21:00	WG1355961

Sample Narrative:

L1144893-04 WG1355961: 12.16 at 25.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	15300		10.0	1	10/03/2019 16:09	WG1356959



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Methane	ND		0.0100	1	10/03/2019 13:53	WG1356589

- 1Cp
- 2Tc
- 3Ss
- 4Cn
- 5Sr
- 6Qc
- 7Gl
- 8Al
- 9Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide,Dissolved	ND		0.0500	1	10/01/2019 17:16	WG1355486

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	ND		0.0500	1	10/03/2019 16:09	WG1355486

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	12.5	T8	1	10/02/2019 21:00	WG1355961

Sample Narrative:

L1144893-06 WG1355961: 12.49 at 25.7C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	19000		10.0	1	10/03/2019 16:09	WG1356959

Method Blank (MB)

(MB) R3456521-1 10/01/19 17:12

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfide,Dissolved	U		0.0170	0.0500

L1143836-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1143836-02 10/01/19 17:15 • (DUP) R3456521-5 10/01/19 17:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfide,Dissolved	U	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3456521-2 10/01/19 17:12

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfide,Dissolved	0.500	0.532	106	85.0-115	

L1143836-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1143836-01 10/01/19 17:12 • (MS) R3456521-3 10/01/19 17:13 • (MSD) R3456521-4 10/01/19 17:13

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfide,Dissolved	1.00	0.0470	0.823	0.824	77.6	77.7	1	80.0-120	J6	J6	0.121	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L1144674-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144674-01 10/02/19 21:00 • (DUP) R3457072-2 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.11	8.11	1	0.000		1

Sample Narrative:

OS: 8.11 at 19.2C

DUP: 8.11 at 23.2C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1144747-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144747-01 10/02/19 21:00 • (DUP) R3457072-3 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.29	7.31	1	0.274		1

Sample Narrative:

OS: 7.29 at 23.3C

DUP: 7.31 at 22.6C

L1144747-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144747-02 10/02/19 21:00 • (DUP) R3457072-4 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.14	8.17	1	0.368		1

Sample Narrative:

OS: 8.14 at 22.3C

DUP: 8.17 at 22.3C

L1144754-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144754-01 10/02/19 21:00 • (DUP) R3457072-5 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.78	7.73	1	0.645		1

Sample Narrative:



L1144754-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144754-01 10/02/19 21:00 • (DUP) R3457072-5 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 7.78 at 22.5C						
DUP: 7.73 at 22.4C						

¹Cp

²Tc

³Ss

⁴Cn

L1144755-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144755-01 10/02/19 21:00 • (DUP) R3457072-6 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 7.78 at 22.5C						
DUP: 7.73 at 22.4C						
pH	7.03	7.02	1	0.142		1

⁵Sr

⁶Qc

Sample Narrative:

OS: 7.03 at 22.7C
DUP: 7.02 at 23.4C

⁷Gl

⁸Al

L1144893-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144893-02 10/02/19 21:00 • (DUP) R3457072-7 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 12.11 at 25.4C						
DUP: 12.13 at 22.2C						
pH	12.1	12.1	1	0.165		1

⁹Sc

Sample Narrative:

OS: 12.11 at 25.4C
DUP: 12.13 at 22.2C

L1144893-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1144893-04 10/02/19 21:00 • (DUP) R3457072-8 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 12.16 at 25.2C						
DUP: 12.12 at 22.1C						
pH	12.2	12.1	1	0.329		1

Sample Narrative:

OS: 12.16 at 25.2C
DUP: 12.12 at 22.1C



L1144893-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1144893-06 10/02/19 21:00 • (DUP) R3457072-9 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	12.5	12.5	1	0.240		1

Sample Narrative:

OS: 12.49 at 25.7C

DUP: 12.52 at 21.7C



L1144959-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144959-01 10/02/19 21:00 • (DUP) R3457072-10 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	4.41	4.45	1	0.903		1

Sample Narrative:

OS: 4.41 at 23C

DUP: 4.45 at 21.7C

L1144959-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144959-02 10/02/19 21:00 • (DUP) R3457072-11 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	4.83	4.85	1	0.413		1

Sample Narrative:

OS: 4.83 at 22.1C

DUP: 4.85 at 21.7C

L1144959-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1144959-03 10/02/19 21:00 • (DUP) R3457072-12 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	3.78	3.77	1	0.265		1

Sample Narrative:

L1144959-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1144959-03 10/02/19 21:00 • (DUP) R3457072-12 10/02/19 21:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
OS: 3.78 at 22.4C						
DUP: 3.77 at 22.6C						

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1144959-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1144959-04 10/02/19 21:00 • (DUP) R3457072-13 10/02/19 21:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH						
	5.99	5.98	1	0.167		1

Sample Narrative:

OS: 5.99 at 21.8C
DUP: 5.98 at 22.8C

L1145002-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1145002-01 10/02/19 21:00 • (DUP) R3457072-14 10/02/19 21:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH						
	6.43	6.43	1	0.000		1

Sample Narrative:

OS: 6.43 at 23.1C
DUP: 6.43 at 23.8C

L1145002-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1145002-02 10/02/19 21:00 • (DUP) R3457072-15 10/02/19 21:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH						
	7.10	7.07	1	0.423		1

Sample Narrative:

OS: 7.1 at 23.1C
DUP: 7.07 at 23C



L1145008-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1145008-01 10/02/19 21:00 • (DUP) R3457072-16 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.94	7.95	1	0.126		1

Sample Narrative:

OS: 7.94 at 24C

DUP: 7.95 at 24C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1145008-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1145008-02 10/02/19 21:00 • (DUP) R3457072-17 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.88	7.89	1	0.127		1

Sample Narrative:

OS: 7.88 at 23C

DUP: 7.89 at 24C

L1145015-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1145015-01 10/02/19 21:00 • (DUP) R3457072-18 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	5.82	5.87	1	0.855		1

Sample Narrative:

OS: 5.82 at 24C

DUP: 5.87 at 21.1C

L1145059-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1145059-01 10/02/19 21:00 • (DUP) R3457072-19 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.59	8.60	1	0.116		1

Sample Narrative:

L1145059-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1145059-01 10/02/19 21:00 • (DUP) R3457072-19 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 8.59 at 24C						
DUP: 8.6 at 21.1C						

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1145274-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1145274-02 10/02/19 21:00 • (DUP) R3457072-20 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.19	8.21	1	0.244		1

Sample Narrative:

OS: 8.19 at 23.1C
DUP: 8.21 at 20.2C

L1145283-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1145283-02 10/02/19 21:00 • (DUP) R3457072-21 10/02/19 21:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.48	8.48	1	0.000		1

Sample Narrative:

OS: 8.48 at 22.3C
DUP: 8.48 at 21.2C

Laboratory Control Sample (LCS)

(LCS) R3457072-1 10/02/19 21:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	9.95	99.5	99.0-101	

Sample Narrative:

LCS: 9.95 at 22.2C



Method Blank (MB)

(MB) R3457444-1 10/03/19 16:09

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1144893-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1144893-06 10/03/19 16:09 • (DUP) R3457444-3 10/03/19 16:09

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	19000	19000	1	0.210		20

L1145436-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1145436-04 10/03/19 16:09 • (DUP) R3457444-4 10/03/19 16:09

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	542	545	1	0.552		20

Laboratory Control Sample (LCS)

(LCS) R3457444-2 10/03/19 16:09

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	393	389	99.0	85.0-115	



Method Blank (MB)

(MB) R3457409-1 10/03/19 13:29

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Methane	U		0.00291	0.0100

L1144996-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1144996-05 10/03/19 14:03 • (DUP) R3457409-2 10/03/19 14:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Methane	0.467	0.444	1	4.93		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3457409-5 10/03/19 15:06 • (LCSD) R3457409-6 10/03/19 15:10

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Methane	0.0678	0.0769	0.0746	113	110	85.0-115			3.01	20

L1145178-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1145178-06 10/03/19 14:38 • (MS) R3457409-3 10/03/19 15:02 • (MSD) R3457409-4 10/03/19 15:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Methane	0.0678	0.0477	0.110	0.104	92.2	82.9	1	85.0-115		J6	5.90	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gi

8 Ai

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

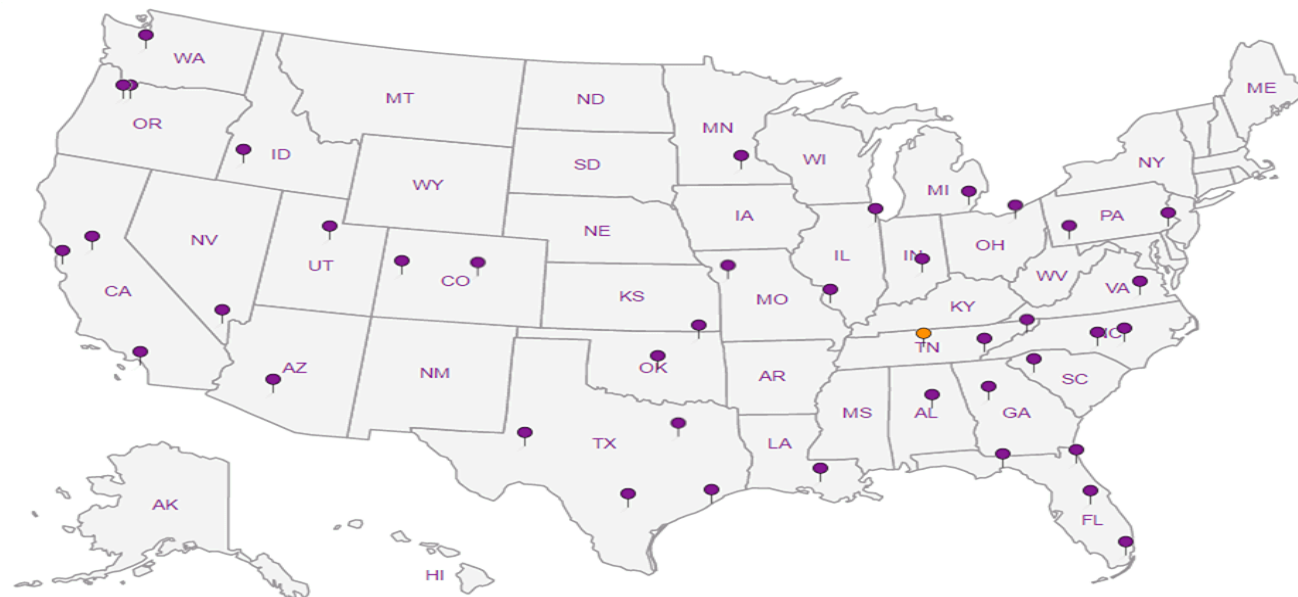
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



SUB CONTRACTOR: ESC PACE		COMPANY: ESC PACE		PHONE: (800) 767-5859		FAX: (615) 758-5859	
ADDRESS: 12065 Lebanon Rd				ACCOUNT #:		EMAIL:	
CITY, STATE, ZIP: Mt. Juliet, TN 37122							

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	1909E63-001E	CMW-1	VOAHCL	Aqueous	9/24/2019 4:40:00 PM	3	Methane -01
2	1909E63-001F	CMW-1	500 ML HDPE	Aqueous	9/24/2019 4:40:00 PM	2	Hydrogen Sulfide -02
3	1909E63-002D	CMW-3R	VOAHCL	Aqueous	9/24/2019 6:20:00 PM	3	Methane -03
4	1909E63-002E	CMW-3R	500 ML HDPE	Aqueous	9/24/2019 6:20:00 PM	2	Hydrogen Sulfide -04
5	1909E63-003D	SVE-3	VOAHCL	Aqueous	9/25/2019 8:00:00 AM	3	Methane -05
6	1909E63-003E	SVE-3	500 ML HDPE	Aqueous	9/25/2019 8:00:00 AM	2	Hydrogen Sulfide -06

H163

L1144893

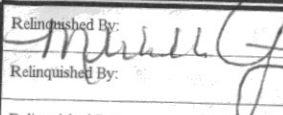
15 containers

fed ex 45196089907

RAD SCREEN: <0.5 mR/hr COCS±

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: 	Date: 9/30/2019	Time: 1:20 PM	Received By: 	Date: 10/1/19	Time: 0900	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Temp of samples 612.1 = 0.1 c Attempt to Cool? Y	
TAT: Standard ☒ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐						Comments:	

**Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form**

Client:		L1144893	
Cooler Received/Opened On: 10/5/19		Temperature:	
Received By: <i>Tanner L.</i>			
Signature: <i>[Signature]</i>			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		✓	
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?		✓	
Preservation Correct / Checked?			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R63362	RunNo: 63362								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2163414 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								

Sample ID: LCS	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R63362	RunNo: 63362								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2163415 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	102	90	110			
Nitrate+Nitrite as N	3.6	0.20	3.500	0	102	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB-47783	SampType: MBLK	TestCode: EPA Method 8011/504.1: EDB
Client ID: PBW	Batch ID: 47783	RunNo: 63399
Prep Date: 10/1/2019	Analysis Date: 10/2/2019	SeqNo: 2164519 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
1,2-Dibromoethane	ND	0.010

Sample ID: LCS-47783	SampType: LCS	TestCode: EPA Method 8011/504.1: EDB
Client ID: LCSW	Batch ID: 47783	RunNo: 63399
Prep Date: 10/1/2019	Analysis Date: 10/2/2019	SeqNo: 2164520 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
1,2-Dibromoethane	0.11	0.010 0.1000 0 110 70 130

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: 100ng lcs2	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: R63345	RunNo: 63345								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2162136	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.3	70	130			
Toluene	17	1.0	20.00	0	86.5	70	130			
Chlorobenzene	18	1.0	20.00	0	89.8	70	130			
1,1-Dichloroethene	18	1.0	20.00	0	88.6	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	88.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.2	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

Sample ID: rb2	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R63345	RunNo: 63345								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2162137	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb2	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: R63345			RunNo: 63345						
Prep Date:	Analysis Date: 9/30/2019			SeqNo: 2162137	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb2	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R63345	RunNo: 63345								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2162137			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.9	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.5	70	130			
Surr: Dibromofluoromethane	10		10.00		99.6	70	130			
Surr: Toluene-d8	9.4		10.00		93.5	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: R63376	RunNo: 63376								
Prep Date:	Analysis Date: 10/2/2019	SeqNo: 2163948			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	88.3	70	130			
Toluene	20	1.0	20.00	0	100	70	130			
Chlorobenzene	21	1.0	20.00	0	104	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	87.4	70	130			
Trichloroethene (TCE)	17	1.0	20.00	0	84.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.2		10.00		91.6	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.3	70	130			
Surr: Dibromofluoromethane	9.0		10.00		90.0	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R63376	RunNo: 63376								
Prep Date:	Analysis Date: 10/2/2019	SeqNo: 2163949			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: R63376			RunNo: 63376						
Prep Date:	Analysis Date: 10/2/2019			SeqNo: 2163949	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: R63376			RunNo: 63376						
Prep Date:	Analysis Date: 10/2/2019			SeqNo: 2163949		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.3	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.2	70	130			
Surr: Dibromofluoromethane	9.1		10.00		90.8	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB-A	SampType: MBLK	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: PBW	Batch ID: A63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2161491		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								
Manganese	ND	0.0020								

Sample ID: LCS-A	SampType: LCS	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: LCSW	Batch ID: A63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2161493		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.49	0.020	0.5000	0	97.9	80	120			
Manganese	0.49	0.0020	0.5000	0	98.5	80	120			

Sample ID: MB-D	SampType: MBLK	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: PBW	Batch ID: D63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162324		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	ND	0.0020								

Sample ID: LCS-D	SampType: LCS	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: LCSW	Batch ID: D63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162326		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	0.49	0.0020	0.5000	0	98.4	80	120			

Sample ID: 1909E63-001DMS	SampType: MS	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: CMW-1	Batch ID: D63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162366		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	4.8	0.010	2.500	2.227	101	75	125			

Sample ID: 1909E63-001DMSD	SampType: MSD	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: CMW-1	Batch ID: D63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162367		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	4.8	0.010	2.500	2.227	102	75	125	0.371	20	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909E63

16-Oct-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB-B	SampType: MBLK		TestCode: EPA Method 6010B: Dissolved Metals							
Client ID: PBW	Batch ID: B63599		RunNo: 63599							
Prep Date:	Analysis Date: 10/10/2019		SeqNo: 2173009		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID: LCS-B	SampType: LCS		TestCode: EPA Method 6010B: Dissolved Metals							
Client ID: LCSW	Batch ID: B63599		RunNo: 63599							
Prep Date:	Analysis Date: 10/10/2019		SeqNo: 2173011		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	95.7	80	120			

Sample ID: 1909E63-001DMS	SampType: MS		TestCode: EPA Method 6010B: Dissolved Metals							
Client ID: CMW-1	Batch ID: B63599		RunNo: 63599							
Prep Date:	Analysis Date: 10/10/2019		SeqNo: 2173049		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	3.5	0.10	2.500	1.083	97.4	75	125			

Sample ID: 1909E63-001DMSD	SampType: MSD		TestCode: EPA Method 6010B: Dissolved Metals							
Client ID: CMW-1	Batch ID: B63599		RunNo: 63599							
Prep Date:	Analysis Date: 10/10/2019		SeqNo: 2173051		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	3.5	0.10	2.500	1.083	96.1	75	125	0.938	20	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering Alb

Work Order Number: 1909E63

RcptNo: 1

Received By: Leah Baca

9/25/2019 4:15:00 PM

Completed By: Erin Melendrez

9/25/2019 4:25:32 PM

Reviewed By:

mg/09/30/19

Leah Baca
Erin Melendrez

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. VOA vials have zero headspace? Yes ☒ No ☐ No VOA Vials ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

6
(2 or >12 unless noted)

Adjusted? NO

Checked by: DAD 9/30/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.7	Good	Yes			



CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRACTOR: ESC PACE		COMPANY: ESC PACE		PHONE: (800) 767-5859		FAX: (615) 758-5859	
ADDRESS: 12065 Lebanon Rd		ACCOUNT #:		EMAIL:			
CITY, STATE, ZIP: Mt. Juliet, TN 37122							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	1909E63-001E	CMW-1	VOAHCL	Aqueous	9/24/2019 4:40:00 PM	3	Methane
2	1909E63-001F	CMW-1	500 ML HDE	Aqueous	9/24/2019 4:40:00 PM	2	Hydrogen Sulfide
3	1909E63-002D	CMW-3R	VOAHCL	Aqueous	9/24/2019 6:20:00 PM	3	Methane
4	1909E63-002E	CMW-3R	500 ML HDE	Aqueous	9/24/2019 6:20:00 PM	2	Hydrogen Sulfide
5	1909E63-003D	SVE-3	VOAHCL	Aqueous	9/25/2019 8:00:00 AM	3	Methane
6	1909E63-003E	SVE-3	500 ML HDE	Aqueous	9/25/2019 8:00:00 AM	2	Hydrogen Sulfide

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 9/30/2019	Time: 1:20 PM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
TAT: ☒ Standard ☐ RUSH			Next BD ☐ 2nd BD ☐ 3rd BD ☐		
REPORT TRANSMITTAL DESIRED:					
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE					
FOR LAB USE ONLY					
Temp of samples _____ °C			Attempt to Cool? _____		
Comments:					



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 16, 2019

Mike McVey
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL: (505) 224-9013
FAX:

RE: SFCJC

OrderNo.: 1909D60

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 17 sample(s) on 9/24/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: CMW-4

Project: SFCJC

Collection Date: 9/23/2019 1:40:00 PM

Lab ID: 1909D60-001

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	110	5.0		mg/L	10	9/27/2019 12:50:20 PM	R63287
Nitrate+Nitrite as N	22	1.0	*	mg/L	5	9/30/2019 2:47:45 PM	R63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: bcv
Iron	1.3	0.10		mg/L	5	10/10/2019 4:53:39 PM	B63599
Manganese	1.5	0.010		mg/L	5	10/1/2019 1:09:22 PM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0096		µg/L	1	10/2/2019 10:06:47 PM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Toluene	40	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Ethylbenzene	240	10		µg/L	10	9/30/2019 11:58:35 AM	R63356
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2,4-Trimethylbenzene	160	10		µg/L	10	9/30/2019 11:58:35 AM	R63356
1,3,5-Trimethylbenzene	22	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Naphthalene	53	2.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1-Methylnaphthalene	16	4.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
2-Methylnaphthalene	13	4.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Acetone	ND	10		µg/L	1	9/27/2019 4:53:09 PM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Bromoform	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Bromomethane	ND	3.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
2-Butanone	ND	10		µg/L	1	9/27/2019 4:53:09 PM	R63292
Carbon disulfide	ND	10		µg/L	1	9/27/2019 4:53:09 PM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Chloroethane	ND	2.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Chloroform	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Chloromethane	ND	3.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 4:53:09 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: CMW-4

Project: SFCJC

Collection Date: 9/23/2019 1:40:00 PM

Lab ID: 1909D60-001

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
2-Hexanone	ND	10		µg/L	1	9/27/2019 4:53:09 PM	R63292
Isopropylbenzene	11	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
4-Isopropyltoluene	1.3	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 4:53:09 PM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
n-Propylbenzene	27	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
sec-Butylbenzene	3.0	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Styrene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 4:53:09 PM	R63292
Xylenes, Total	420	15		µg/L	10	9/30/2019 11:58:35 AM	R63356
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	9/27/2019 4:53:09 PM	R63292
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	9/27/2019 4:53:09 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: CMW-4

Project: SFCJC

Collection Date: 9/23/2019 1:40:00 PM

Lab ID: 1909D60-001

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	100	70-130		%Rec	1	9/27/2019 4:53:09 PM	R63292
Surr: Toluene-d8	102	70-130		%Rec	1	9/27/2019 4:53:09 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-1R

Project: SFCJC

Collection Date: 9/24/2019 11:03:00 AM

Lab ID: 1909D60-002

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrite (As N)	1.0	0.50	*	mg/L	5	9/26/2019 3:41:10 AM	R63186
Sulfate	ND	2.5		mg/L	5	9/26/2019 3:41:10 AM	R63186
EPA METHOD 6010B: DISSOLVED METALS							Analyst: bcv
Iron	15	0.40		mg/L	20	10/10/2019 5:05:33 PM	B63599
Manganese	31	0.10		mg/L	50	10/1/2019 1:13:45 PM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.52	0.095		µg/L	10	10/3/2019 8:12:21 AM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	1700	100		µg/L	100	9/27/2019 5:21:47 PM	R63292
Toluene	6200	100		µg/L	100	9/27/2019 5:21:47 PM	R63292
Ethylbenzene	2300	100		µg/L	100	9/27/2019 5:21:47 PM	R63292
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2,4-Trimethylbenzene	2100	100		µg/L	100	9/27/2019 5:21:47 PM	R63292
1,3,5-Trimethylbenzene	710	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Naphthalene	800	20		µg/L	10	9/27/2019 5:50:25 PM	R63292
1-Methylnaphthalene	160	40		µg/L	10	9/27/2019 5:50:25 PM	R63292
2-Methylnaphthalene	250	40		µg/L	10	9/27/2019 5:50:25 PM	R63292
Acetone	ND	100		µg/L	10	9/27/2019 5:50:25 PM	R63292
Bromobenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Bromodichloromethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Bromoform	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Bromomethane	ND	30		µg/L	10	9/27/2019 5:50:25 PM	R63292
2-Butanone	ND	100		µg/L	10	9/27/2019 5:50:25 PM	R63292
Carbon disulfide	ND	100		µg/L	10	9/27/2019 5:50:25 PM	R63292
Carbon Tetrachloride	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Chlorobenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Chloroethane	ND	20		µg/L	10	9/27/2019 5:50:25 PM	R63292
Chloroform	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Chloromethane	ND	30		µg/L	10	9/27/2019 5:50:25 PM	R63292
2-Chlorotoluene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
4-Chlorotoluene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
cis-1,2-DCE	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/27/2019 5:50:25 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	
D	Sample Diluted Due to Matrix	
H	Holding times for preparation or analysis exceeded	
ND	Not Detected at the Reporting Limit	
PQL	Practical Quantitative Limit	
S	% Recovery outside of range due to dilution or matrix	

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: MW-1R

Project: SFCJC

Collection Date: 9/24/2019 11:03:00 AM

Lab ID: 1909D60-002

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Dibromomethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2-Dichlorobenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,3-Dichlorobenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,4-Dichlorobenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Dichlorodifluoromethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,1-Dichloroethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,1-Dichloroethene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2-Dichloropropane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,3-Dichloropropane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
2,2-Dichloropropane	ND	20		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,1-Dichloropropene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Hexachlorobutadiene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
2-Hexanone	ND	100		µg/L	10	9/27/2019 5:50:25 PM	R63292
Isopropylbenzene	85	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
4-Isopropyltoluene	12	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
4-Methyl-2-pentanone	ND	100		µg/L	10	9/27/2019 5:50:25 PM	R63292
Methylene Chloride	ND	30		µg/L	10	9/27/2019 5:50:25 PM	R63292
n-Butylbenzene	ND	30		µg/L	10	9/27/2019 5:50:25 PM	R63292
n-Propylbenzene	300	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
sec-Butylbenzene	26	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Styrene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
tert-Butylbenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/27/2019 5:50:25 PM	R63292
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
trans-1,2-DCE	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,1,1-Trichloroethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,1,2-Trichloroethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Trichloroethene (TCE)	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Trichlorofluoromethane	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
1,2,3-Trichloropropane	ND	20		µg/L	10	9/27/2019 5:50:25 PM	R63292
Vinyl chloride	ND	10		µg/L	10	9/27/2019 5:50:25 PM	R63292
Xylenes, Total	17000	150		µg/L	100	9/27/2019 5:21:47 PM	R63292
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	10	9/27/2019 5:50:25 PM	R63292
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	10	9/27/2019 5:50:25 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: MW-1R

Project: SFCJC

Collection Date: 9/24/2019 11:03:00 AM

Lab ID: 1909D60-002

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	96.9	70-130		%Rec	10	9/27/2019 5:50:25 PM	R63292
Surr: Toluene-d8	100	70-130		%Rec	10	9/27/2019 5:50:25 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-4R

Project: SFCJC

Collection Date: 9/24/2019 8:25:00 AM

Lab ID: 1909D60-003

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	9/26/2019 4:30:33 AM	R63186
Sulfate	47	2.5		mg/L	5	9/26/2019 4:30:33 AM	R63186
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.36	0.020		mg/L	1	10/1/2019 11:35:18 AM	C63324
Manganese	4.9	0.020		mg/L	10	10/1/2019 1:20:31 PM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	2.2	0.94		µg/L	100	10/3/2019 8:27:12 AM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	1800	50		µg/L	50	9/30/2019 12:56:03 PM	R63356
Toluene	13000	500		µg/L	500	9/30/2019 12:27:16 PM	R63356
Ethylbenzene	1300	50		µg/L	50	9/30/2019 12:56:03 PM	R63356
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2,4-Trimethylbenzene	880	50		µg/L	50	9/30/2019 12:56:03 PM	R63356
1,3,5-Trimethylbenzene	240	50		µg/L	50	9/30/2019 12:56:03 PM	R63356
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Naphthalene	440	100		µg/L	50	9/30/2019 12:56:03 PM	R63356
1-Methylnaphthalene	74	4.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
2-Methylnaphthalene	83	50		µg/L	50	9/30/2019 12:56:03 PM	R63356
Acetone	ND	10		µg/L	1	9/27/2019 6:19:03 PM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Bromoform	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Bromomethane	ND	3.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
2-Butanone	ND	10		µg/L	1	9/27/2019 6:19:03 PM	R63292
Carbon disulfide	ND	10		µg/L	1	9/27/2019 6:19:03 PM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Chloroethane	ND	2.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Chloroform	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Chloromethane	ND	3.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 6:19:03 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-4R

Project: SFCJC

Collection Date: 9/24/2019 8:25:00 AM

Lab ID: 1909D60-003

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
2-Hexanone	22	10		µg/L	1	9/27/2019 6:19:03 PM	R63292
Isopropylbenzene	47	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
4-Isopropyltoluene	5.3	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
4-Methyl-2-pentanone	11	10		µg/L	1	9/27/2019 6:19:03 PM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
n-Propylbenzene	110	50		µg/L	50	9/30/2019 12:56:03 PM	R63356
sec-Butylbenzene	9.3	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Styrene	8.6	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 6:19:03 PM	R63292
Xylenes, Total	9200	75		µg/L	50	9/30/2019 12:56:03 PM	R63356
Surr: 1,2-Dichloroethane-d4	134	70-130	S	%Rec	1	9/27/2019 6:19:03 PM	R63292
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	1	9/27/2019 6:19:03 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: MW-4R

Project: SFCJC

Collection Date: 9/24/2019 8:25:00 AM

Lab ID: 1909D60-003

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	99.4	70-130		%Rec	1	9/27/2019 6:19:03 PM	R63292
Surr: Toluene-d8	100	70-130		%Rec	1	9/27/2019 6:19:03 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-6

Project: SFCJC

Collection Date: 9/23/2019 9:55:00 AM

Lab ID: 1909D60-004

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	120	5.0		mg/L	10	9/27/2019 1:15:02 PM	R63287
Nitrate+Nitrite as N	ND	1.0		mg/L	5	9/30/2019 3:00:38 PM	R63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: bcv
Iron	2.9	0.10		mg/L	5	10/10/2019 5:07:09 PM	B63599
Manganese	6.9	0.020		mg/L	10	10/1/2019 1:22:05 PM	C63324
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Toluene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Ethylbenzene	150	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2,4-Trimethylbenzene	200	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Naphthalene	43	4.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1-Methylnaphthalene	28	8.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
2-Methylnaphthalene	ND	8.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Acetone	ND	20		µg/L	2	9/30/2019 1:53:30 PM	R63356
Bromobenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Bromodichloromethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Bromoform	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Bromomethane	ND	6.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
2-Butanone	ND	20		µg/L	2	9/30/2019 1:53:30 PM	R63356
Carbon disulfide	ND	20		µg/L	2	9/30/2019 1:53:30 PM	R63356
Carbon Tetrachloride	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Chlorobenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Chloroethane	ND	4.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Chloroform	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Chloromethane	ND	6.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
2-Chlorotoluene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
4-Chlorotoluene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
cis-1,2-DCE	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Dibromochloromethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Dibromomethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: MW-6

Project: SFCJC

Collection Date: 9/23/2019 9:55:00 AM

Lab ID: 1909D60-004

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,1-Dichloroethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,1-Dichloroethene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2-Dichloropropane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,3-Dichloropropane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
2,2-Dichloropropane	ND	4.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,1-Dichloropropene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Hexachlorobutadiene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
2-Hexanone	ND	20		µg/L	2	9/30/2019 1:53:30 PM	R63356
Isopropylbenzene	14	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
4-Isopropyltoluene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
4-Methyl-2-pentanone	ND	20		µg/L	2	9/30/2019 1:53:30 PM	R63356
Methylene Chloride	ND	6.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
n-Butylbenzene	ND	6.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
n-Propylbenzene	40	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
sec-Butylbenzene	5.1	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Styrene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
tert-Butylbenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
trans-1,2-DCE	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,1,1-Trichloroethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Trichlorofluoromethane	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Vinyl chloride	ND	2.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Xylenes, Total	35	3.0		µg/L	2	9/30/2019 1:53:30 PM	R63356
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	2	9/30/2019 1:53:30 PM	R63356
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	2	9/30/2019 1:53:30 PM	R63356
Surr: Dibromofluoromethane	102	70-130		%Rec	2	9/30/2019 1:53:30 PM	R63356
Surr: Toluene-d8	99.5	70-130		%Rec	2	9/30/2019 1:53:30 PM	R63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-11

Project: SFCJC

Collection Date: 9/23/2019 3:05:00 PM

Lab ID: 1909D60-005

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	200	5.0		mg/L	10	9/27/2019 1:39:43 PM	R63287
Nitrate+Nitrite as N	1.6	1.0		mg/L	5	9/30/2019 3:13:30 PM	R63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.12	0.020		mg/L	1	10/1/2019 11:38:18 AM	C63324
Manganese	3.8	0.010		mg/L	5	10/1/2019 1:23:40 PM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.74	0.094		µg/L	10	10/3/2019 9:27:24 AM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	2.5		µg/L	5	9/27/2019 8:13:47 PM	R63292
Toluene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Ethylbenzene	43	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2,4-Trimethylbenzene	570	50		µg/L	50	9/27/2019 7:45:04 PM	R63292
1,3,5-Trimethylbenzene	100	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Naphthalene	310	10		µg/L	5	9/27/2019 8:13:47 PM	R63292
1-Methylnaphthalene	51	20		µg/L	5	9/27/2019 8:13:47 PM	R63292
2-Methylnaphthalene	50	20		µg/L	5	9/27/2019 8:13:47 PM	R63292
Acetone	460	50		µg/L	5	9/27/2019 8:13:47 PM	R63292
Bromobenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Bromodichloromethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Bromoform	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Bromomethane	ND	15		µg/L	5	9/27/2019 8:13:47 PM	R63292
2-Butanone	330	50		µg/L	5	9/27/2019 8:13:47 PM	R63292
Carbon disulfide	ND	50		µg/L	5	9/27/2019 8:13:47 PM	R63292
Carbon Tetrachloride	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Chlorobenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Chloroethane	ND	10		µg/L	5	9/27/2019 8:13:47 PM	R63292
Chloroform	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Chloromethane	ND	15		µg/L	5	9/27/2019 8:13:47 PM	R63292
2-Chlorotoluene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
4-Chlorotoluene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
cis-1,2-DCE	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/27/2019 8:13:47 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-11

Project: SFCJC

Collection Date: 9/23/2019 3:05:00 PM

Lab ID: 1909D60-005

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Dibromomethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,1-Dichloroethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,1-Dichloroethene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2-Dichloropropane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,3-Dichloropropane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
2,2-Dichloropropane	ND	10		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,1-Dichloropropene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Hexachlorobutadiene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
2-Hexanone	160	50		µg/L	5	9/27/2019 8:13:47 PM	R63292
Isopropylbenzene	11	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
4-Isopropyltoluene	6.6	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
4-Methyl-2-pentanone	ND	50		µg/L	5	9/27/2019 8:13:47 PM	R63292
Methylene Chloride	ND	15		µg/L	5	9/27/2019 8:13:47 PM	R63292
n-Butylbenzene	ND	15		µg/L	5	9/27/2019 8:13:47 PM	R63292
n-Propylbenzene	28	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
sec-Butylbenzene	6.2	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Styrene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
tert-Butylbenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/27/2019 8:13:47 PM	R63292
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
trans-1,2-DCE	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Trichlorofluoromethane	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
1,2,3-Trichloropropane	ND	10		µg/L	5	9/27/2019 8:13:47 PM	R63292
Vinyl chloride	ND	5.0		µg/L	5	9/27/2019 8:13:47 PM	R63292
Xylenes, Total	150	7.5		µg/L	5	9/27/2019 8:13:47 PM	R63292
Surr: 1,2-Dichloroethane-d4	90.6	70-130		%Rec	5	9/27/2019 8:13:47 PM	R63292
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	9/27/2019 8:13:47 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: MW-11

Project: SFCJC

Collection Date: 9/23/2019 3:05:00 PM

Lab ID: 1909D60-005

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	99.5	70-130		%Rec	5	9/27/2019 8:13:47 PM	R63292
Surr: Toluene-d8	100	70-130		%Rec	5	9/27/2019 8:13:47 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-15

Project: SFCJC

Collection Date: 9/24/2019 11:00:00 AM

Lab ID: 1909D60-006

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrite (As N)	0.11	0.10		mg/L	1	9/26/2019 4:55:15 AM	R63186
Sulfate	96	10		mg/L	20	9/26/2019 5:07:35 AM	R63186
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.032	0.020		mg/L	1	10/1/2019 11:39:50 AM	C63324
Manganese	0.51	0.0020		mg/L	1	10/1/2019 11:39:50 AM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0094		µg/L	1	10/2/2019 11:38:35 PM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Toluene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Ethylbenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2-Dichloroethane (EDC)	26	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Naphthalene	ND	2.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Acetone	ND	10		µg/L	1	9/27/2019 8:42:25 PM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Bromoform	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Bromomethane	ND	3.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
2-Butanone	ND	10		µg/L	1	9/27/2019 8:42:25 PM	R63292
Carbon disulfide	ND	10		µg/L	1	9/27/2019 8:42:25 PM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Chloroethane	ND	2.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Chloroform	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Chloromethane	ND	3.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2019 8:42:25 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: MW-15

Project: SFCJC

Collection Date: 9/24/2019 11:00:00 AM

Lab ID: 1909D60-006

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
2-Hexanone	ND	10		µg/L	1	9/27/2019 8:42:25 PM	R63292
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2019 8:42:25 PM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Styrene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/27/2019 8:42:25 PM	R63292
Xylenes, Total	ND	1.5		µg/L	1	9/27/2019 8:42:25 PM	R63292
Surr: 1,2-Dichloroethane-d4	91.2	70-130		%Rec	1	9/27/2019 8:42:25 PM	R63292
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	9/27/2019 8:42:25 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: MW-15

Project: SFCJC

Collection Date: 9/24/2019 11:00:00 AM

Lab ID: 1909D60-006

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	94.2	70-130		%Rec	1	9/27/2019 8:42:25 PM	R63292
Surr: Toluene-d8	99.3	70-130		%Rec	1	9/27/2019 8:42:25 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SFCMW-01

Project: SFCJC

Collection Date: 9/23/2019 4:45:00 PM

Lab ID: 1909D60-007

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	75	5.0		mg/L	10	9/27/2019 2:29:06 PM	R63287
Nitrate+Nitrite as N	ND	1.0		mg/L	5	9/30/2019 3:26:22 PM	R63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.68	0.020		mg/L	1	10/1/2019 11:41:23 AM	C63324
Manganese	7.0	0.020		mg/L	10	10/1/2019 1:25:12 PM	C63324
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	2.5		µg/L	5	9/27/2019 9:39:50 PM	R63292
Toluene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Ethylbenzene	37	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2,4-Trimethylbenzene	210	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Naphthalene	50	10		µg/L	5	9/27/2019 9:39:50 PM	R63292
1-Methylnaphthalene	440	20		µg/L	5	9/27/2019 9:39:50 PM	R63292
2-Methylnaphthalene	ND	20		µg/L	5	9/27/2019 9:39:50 PM	R63292
Acetone	ND	50		µg/L	5	9/27/2019 9:39:50 PM	R63292
Bromobenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Bromodichloromethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Bromoform	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Bromomethane	ND	15		µg/L	5	9/27/2019 9:39:50 PM	R63292
2-Butanone	ND	50		µg/L	5	9/27/2019 9:39:50 PM	R63292
Carbon disulfide	ND	50		µg/L	5	9/27/2019 9:39:50 PM	R63292
Carbon Tetrachloride	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Chlorobenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Chloroethane	ND	10		µg/L	5	9/27/2019 9:39:50 PM	R63292
Chloroform	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Chloromethane	ND	15		µg/L	5	9/27/2019 9:39:50 PM	R63292
2-Chlorotoluene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
4-Chlorotoluene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
cis-1,2-DCE	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/27/2019 9:39:50 PM	R63292
Dibromochloromethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Dibromomethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: SFCMW-01

Project: SFCJC

Collection Date: 9/23/2019 4:45:00 PM

Lab ID: 1909D60-007

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,1-Dichloroethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,1-Dichloroethene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2-Dichloropropane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,3-Dichloropropane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
2,2-Dichloropropane	ND	10		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,1-Dichloropropene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Hexachlorobutadiene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
2-Hexanone	ND	50		µg/L	5	9/27/2019 9:39:50 PM	R63292
Isopropylbenzene	9.0	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
4-Isopropyltoluene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
4-Methyl-2-pentanone	ND	50		µg/L	5	9/27/2019 9:39:50 PM	R63292
Methylene Chloride	ND	15		µg/L	5	9/27/2019 9:39:50 PM	R63292
n-Butylbenzene	ND	15		µg/L	5	9/27/2019 9:39:50 PM	R63292
n-Propylbenzene	24	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
sec-Butylbenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Styrene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
tert-Butylbenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/27/2019 9:39:50 PM	R63292
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
trans-1,2-DCE	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Trichlorofluoromethane	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
1,2,3-Trichloropropane	ND	10		µg/L	5	9/27/2019 9:39:50 PM	R63292
Vinyl chloride	ND	5.0		µg/L	5	9/27/2019 9:39:50 PM	R63292
Xylenes, Total	15	7.5		µg/L	5	9/27/2019 9:39:50 PM	R63292
Surr: 1,2-Dichloroethane-d4	92.1	70-130		%Rec	5	9/27/2019 9:39:50 PM	R63292
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	5	9/27/2019 9:39:50 PM	R63292
Surr: Dibromofluoromethane	97.6	70-130		%Rec	5	9/27/2019 9:39:50 PM	R63292
Surr: Toluene-d8	100	70-130		%Rec	5	9/27/2019 9:39:50 PM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: SFCMW-07

Project: SFCJC

Collection Date: 9/24/2019 11:36:00 AM

Lab ID: 1909D60-010

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	9/26/2019 5:19:56 AM	R63186
Sulfate	70	10		mg/L	20	9/26/2019 5:32:17 AM	R63186
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.030	0.020		mg/L	1	10/1/2019 11:46:10 AM	C63324
Manganese	3.1	0.010		mg/L	5	10/1/2019 1:28:17 PM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.021	0.0094		µg/L	1	10/2/2019 11:53:49 PM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Toluene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Naphthalene	ND	2.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Acetone	ND	10		µg/L	1	9/28/2019 1:30:47 AM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Bromoform	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Bromomethane	ND	3.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
2-Butanone	ND	10		µg/L	1	9/28/2019 1:30:47 AM	R63292
Carbon disulfide	ND	10		µg/L	1	9/28/2019 1:30:47 AM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Chloroethane	ND	2.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Chloroform	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Chloromethane	ND	3.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 1:30:47 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: SFCMW-07

Project: SFCJC

Collection Date: 9/24/2019 11:36:00 AM

Lab ID: 1909D60-010

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
2-Hexanone	ND	10		µg/L	1	9/28/2019 1:30:47 AM	R63292
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 1:30:47 AM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Styrene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 1:30:47 AM	R63292
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 1:30:47 AM	R63292
Surr: 1,2-Dichloroethane-d4	90.0	70-130		%Rec	1	9/28/2019 1:30:47 AM	R63292
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	9/28/2019 1:30:47 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: SFCMW-07

Project: SFCJC

Collection Date: 9/24/2019 11:36:00 AM

Lab ID: 1909D60-010

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	100	70-130		%Rec	1	9/28/2019 1:30:47 AM	R63292
Surr: Toluene-d8	103	70-130		%Rec	1	9/28/2019 1:30:47 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SFCMW-10

Project: SFCJC

Collection Date: 9/23/2019 7:08:00 PM

Lab ID: 1909D60-011

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	79	5.0		mg/L	10	9/27/2019 3:43:10 PM	R63287
Nitrate+Nitrite as N	1.8	1.0		mg/L	5	9/30/2019 7:18:40 PM	R63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.14	0.020		mg/L	1	10/1/2019 11:47:44 AM	C63324
Manganese	10	0.040		mg/L	20	10/1/2019 1:29:50 PM	C63324
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	83	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Toluene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Ethylbenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2,4-Trimethylbenzene	75	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,3,5-Trimethylbenzene	15	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Naphthalene	810	20		µg/L	10	9/28/2019 2:28:48 AM	R63292
1-Methylnaphthalene	1000	40		µg/L	10	9/28/2019 2:28:48 AM	R63292
2-Methylnaphthalene	1200	400		µg/L	100	9/28/2019 1:59:48 AM	R63292
Acetone	ND	100		µg/L	10	9/28/2019 2:28:48 AM	R63292
Bromobenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Bromodichloromethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Bromoform	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Bromomethane	ND	30		µg/L	10	9/28/2019 2:28:48 AM	R63292
2-Butanone	ND	100		µg/L	10	9/28/2019 2:28:48 AM	R63292
Carbon disulfide	ND	100		µg/L	10	9/28/2019 2:28:48 AM	R63292
Carbon Tetrachloride	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Chlorobenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Chloroethane	ND	20		µg/L	10	9/28/2019 2:28:48 AM	R63292
Chloroform	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Chloromethane	ND	30		µg/L	10	9/28/2019 2:28:48 AM	R63292
2-Chlorotoluene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
4-Chlorotoluene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
cis-1,2-DCE	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/28/2019 2:28:48 AM	R63292
Dibromochloromethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Dibromomethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2-Dichlorobenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,3-Dichlorobenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: SFCMW-10

Project: SFCJC

Collection Date: 9/23/2019 7:08:00 PM

Lab ID: 1909D60-011

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,4-Dichlorobenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Dichlorodifluoromethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,1-Dichloroethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,1-Dichloroethene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2-Dichloropropane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,3-Dichloropropane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
2,2-Dichloropropane	ND	20		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,1-Dichloropropene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Hexachlorobutadiene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
2-Hexanone	ND	100		µg/L	10	9/28/2019 2:28:48 AM	R63292
Isopropylbenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
4-Isopropyltoluene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
4-Methyl-2-pentanone	ND	100		µg/L	10	9/28/2019 2:28:48 AM	R63292
Methylene Chloride	ND	30		µg/L	10	9/28/2019 2:28:48 AM	R63292
n-Butylbenzene	ND	30		µg/L	10	9/28/2019 2:28:48 AM	R63292
n-Propylbenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
sec-Butylbenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Styrene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
tert-Butylbenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/28/2019 2:28:48 AM	R63292
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
trans-1,2-DCE	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,1,1-Trichloroethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,1,2-Trichloroethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Trichloroethene (TCE)	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Trichlorofluoromethane	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
1,2,3-Trichloropropane	ND	20		µg/L	10	9/28/2019 2:28:48 AM	R63292
Vinyl chloride	ND	10		µg/L	10	9/28/2019 2:28:48 AM	R63292
Xylenes, Total	62	15		µg/L	10	9/28/2019 2:28:48 AM	R63292
Surr: 1,2-Dichloroethane-d4	90.7	70-130		%Rec	10	9/28/2019 2:28:48 AM	R63292
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	10	9/28/2019 2:28:48 AM	R63292
Surr: Dibromofluoromethane	99.9	70-130		%Rec	10	9/28/2019 2:28:48 AM	R63292
Surr: Toluene-d8	98.9	70-130		%Rec	10	9/28/2019 2:28:48 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SVE-1

Project: SFCJC

Collection Date: 9/23/2019 12:15:00 PM

Lab ID: 1909D60-012

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	110	5.0		mg/L	10	9/27/2019 4:07:51 PM	R63287
Nitrate+Nitrite as N	3.4	1.0		mg/L	5	9/30/2019 7:31:00 PM	R63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.10	0.020		mg/L	1	10/1/2019 11:54:28 AM	C63324
Manganese	7.4	0.020		mg/L	10	10/1/2019 1:31:24 PM	C63324
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Toluene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Ethylbenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2,4-Trimethylbenzene	4.1	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Naphthalene	ND	4.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
2-Methylnaphthalene	ND	8.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Acetone	ND	20		µg/L	2	9/28/2019 2:57:50 AM	R63292
Bromobenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Bromodichloromethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Bromoform	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Bromomethane	ND	6.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
2-Butanone	ND	20		µg/L	2	9/28/2019 2:57:50 AM	R63292
Carbon disulfide	ND	20		µg/L	2	9/28/2019 2:57:50 AM	R63292
Carbon Tetrachloride	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Chlorobenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Chloroethane	ND	4.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Chloroform	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Chloromethane	ND	6.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
2-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
4-Chlorotoluene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
cis-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Dibromochloromethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Dibromomethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SVE-1

Project: SFCJC

Collection Date: 9/23/2019 12:15:00 PM

Lab ID: 1909D60-012

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,1-Dichloroethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,1-Dichloroethene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,3-Dichloropropane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
2,2-Dichloropropane	ND	4.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,1-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Hexachlorobutadiene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
2-Hexanone	ND	20		µg/L	2	9/28/2019 2:57:50 AM	R63292
Isopropylbenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
4-Isopropyltoluene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
4-Methyl-2-pentanone	ND	20		µg/L	2	9/28/2019 2:57:50 AM	R63292
Methylene Chloride	ND	6.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
n-Butylbenzene	ND	6.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
n-Propylbenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
sec-Butylbenzene	3.4	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Styrene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
tert-Butylbenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
trans-1,2-DCE	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,1,1-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Trichlorofluoromethane	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Vinyl chloride	ND	2.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Xylenes, Total	ND	3.0		µg/L	2	9/28/2019 2:57:50 AM	R63292
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	2	9/28/2019 2:57:50 AM	R63292
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	2	9/28/2019 2:57:50 AM	R63292
Surr: Dibromofluoromethane	101	70-130		%Rec	2	9/28/2019 2:57:50 AM	R63292
Surr: Toluene-d8	101	70-130		%Rec	2	9/28/2019 2:57:50 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SVE-11D

Project: SFCJC

Collection Date: 9/23/2019 2:25:00 PM

Lab ID: 1909D60-013

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Sulfate	130	5.0		mg/L	10	9/27/2019 4:57:16 PM	R63287
Nitrate+Nitrite as N	37	2.0	*	mg/L	10	10/8/2019 9:42:27 PM	R63535
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	ND	0.020		mg/L	1	10/1/2019 11:55:59 AM	C63324
Manganese	2.3	0.010		mg/L	5	10/1/2019 1:32:57 PM	C63324
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Toluene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Naphthalene	ND	2.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Acetone	ND	10		µg/L	1	9/28/2019 3:26:48 AM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Bromoform	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Bromomethane	ND	3.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
2-Butanone	ND	10		µg/L	1	9/28/2019 3:26:48 AM	R63292
Carbon disulfide	ND	10		µg/L	1	9/28/2019 3:26:48 AM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Chloroethane	ND	2.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Chloroform	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Chloromethane	ND	3.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: SVE-11D

Project: SFCJC

Collection Date: 9/23/2019 2:25:00 PM

Lab ID: 1909D60-013

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
2-Hexanone	ND	10		µg/L	1	9/28/2019 3:26:48 AM	R63292
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 3:26:48 AM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Styrene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 3:26:48 AM	R63292
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 3:26:48 AM	R63292
Surr: 1,2-Dichloroethane-d4	89.1	70-130		%Rec	1	9/28/2019 3:26:48 AM	R63292
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	9/28/2019 3:26:48 AM	R63292
Surr: Dibromofluoromethane	104	70-130		%Rec	1	9/28/2019 3:26:48 AM	R63292
Surr: Toluene-d8	106	70-130		%Rec	1	9/28/2019 3:26:48 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: TWN-3

Project: SFCJC

Collection Date: 9/23/2019 9:15:00 AM

Lab ID: 1909D60-014

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Sulfate	390	5.0	*	mg/L	10	9/30/2019 10:56:09 AM	R63318
Nitrate+Nitrite as N	12	1.0	*	mg/L	5	9/30/2019 9:52:33 PM	A63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	ND	0.020		mg/L	1	10/1/2019 11:57:28 AM	C63324
Manganese	0.42	0.0020		mg/L	1	10/1/2019 11:57:28 AM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	4.4	0.94		µg/L	100	10/3/2019 8:57:17 AM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	29	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Toluene	1.2	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Ethylbenzene	1.9	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2,4-Trimethylbenzene	10	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,3,5-Trimethylbenzene	3.3	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2-Dichloroethane (EDC)	1.6	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Naphthalene	5.0	2.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Acetone	ND	10		µg/L	1	9/28/2019 3:55:35 AM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Bromoform	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Bromomethane	ND	3.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
2-Butanone	ND	10		µg/L	1	9/28/2019 3:55:35 AM	R63292
Carbon disulfide	ND	10		µg/L	1	9/28/2019 3:55:35 AM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Chloroethane	ND	2.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Chloroform	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Chloromethane	ND	3.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 3:55:35 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: TWN-3

Project: SFCJC

Collection Date: 9/23/2019 9:15:00 AM

Lab ID: 1909D60-014

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
2-Hexanone	ND	10		µg/L	1	9/28/2019 3:55:35 AM	R63292
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 3:55:35 AM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Styrene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 3:55:35 AM	R63292
Xylenes, Total	12	1.5		µg/L	1	9/28/2019 3:55:35 AM	R63292
Surr: 1,2-Dichloroethane-d4	95.6	70-130		%Rec	1	9/28/2019 3:55:35 AM	R63292
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	9/28/2019 3:55:35 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: TWN-3

Project: SFCJC

Collection Date: 9/23/2019 9:15:00 AM

Lab ID: 1909D60-014

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	100	70-130		%Rec	1	9/28/2019 3:55:35 AM	R63292
Surr: Toluene-d8	104	70-130		%Rec	1	9/28/2019 3:55:35 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: TWS-1

Project: SFCJC

Collection Date: 9/23/2019 3:00:00 PM

Lab ID: 1909D60-015

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Sulfate	69	5.0		mg/L	10	9/30/2019 11:47:36 AM	R63318
Nitrate+Nitrite as N	23	1.0	*	mg/L	5	9/30/2019 10:05:25 PM	A63318
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.19	0.020		mg/L	1	10/1/2019 11:59:04 AM	C63324
Manganese	0.022	0.0020		mg/L	1	10/1/2019 11:59:04 AM	C63324
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Toluene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Ethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2,4-Trimethylbenzene	1.2	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Naphthalene	ND	2.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
2-Methylnaphthalene	ND	4.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Acetone	ND	10		µg/L	1	9/28/2019 4:24:35 AM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Bromoform	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Bromomethane	ND	3.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
2-Butanone	ND	10		µg/L	1	9/28/2019 4:24:35 AM	R63292
Carbon disulfide	ND	10		µg/L	1	9/28/2019 4:24:35 AM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Chloroethane	ND	2.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Chloroform	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Chloromethane	ND	3.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: TWS-1

Project: SFCJC

Collection Date: 9/23/2019 3:00:00 PM

Lab ID: 1909D60-015

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
2-Hexanone	ND	10		µg/L	1	9/28/2019 4:24:35 AM	R63292
Isopropylbenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
4-Isopropyltoluene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 4:24:35 AM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
n-Propylbenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
sec-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Styrene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 4:24:35 AM	R63292
Xylenes, Total	ND	1.5		µg/L	1	9/28/2019 4:24:35 AM	R63292
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%Rec	1	9/28/2019 4:24:35 AM	R63292
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	9/28/2019 4:24:35 AM	R63292
Surr: Dibromofluoromethane	101	70-130		%Rec	1	9/28/2019 4:24:35 AM	R63292
Surr: Toluene-d8	107	70-130		%Rec	1	9/28/2019 4:24:35 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: TWS-4

Project: SFCJC

Collection Date: 9/24/2019 12:52:00 PM

Lab ID: 1909D60-016

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrite (As N)	0.29	0.10		mg/L	1	9/26/2019 5:44:37 AM	R63186
Sulfate	ND	0.50		mg/L	1	9/26/2019 5:44:37 AM	R63186
EPA METHOD 6010B: DISSOLVED METALS							Analyst: bcv
Iron	2.6	0.10		mg/L	5	10/10/2019 5:08:57 PM	B63599
Manganese	7.1	0.020		mg/L	10	10/1/2019 1:34:29 PM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.056	0.0093		µg/L	1	10/3/2019 12:24:24 AM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	410	10		µg/L	10	9/30/2019 2:50:54 PM	R63356
Toluene	1600	100		µg/L	100	9/30/2019 2:22:11 PM	R63356
Ethylbenzene	760	10		µg/L	10	9/30/2019 2:50:54 PM	R63356
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2,4-Trimethylbenzene	420	10		µg/L	10	9/30/2019 2:50:54 PM	R63356
1,3,5-Trimethylbenzene	130	10		µg/L	10	9/30/2019 2:50:54 PM	R63356
1,2-Dichloroethane (EDC)	6.9	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Naphthalene	190	20		µg/L	10	9/30/2019 2:50:54 PM	R63356
1-Methylnaphthalene	53	4.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
2-Methylnaphthalene	65	4.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Acetone	ND	10		µg/L	1	9/28/2019 4:53:25 AM	R63292
Bromobenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Bromodichloromethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Bromoform	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Bromomethane	ND	3.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
2-Butanone	ND	10		µg/L	1	9/28/2019 4:53:25 AM	R63292
Carbon disulfide	ND	10		µg/L	1	9/28/2019 4:53:25 AM	R63292
Carbon Tetrachloride	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Chlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Chloroethane	ND	2.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Chloroform	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Chloromethane	ND	3.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
2-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
4-Chlorotoluene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
cis-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/28/2019 4:53:25 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: TWS-4

Project: SFCJC

Collection Date: 9/24/2019 12:52:00 PM

Lab ID: 1909D60-016

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Dibromomethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,1-Dichloroethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,1-Dichloroethene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2-Dichloropropane	1.2	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,3-Dichloropropane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
2,2-Dichloropropane	ND	2.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,1-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Hexachlorobutadiene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
2-Hexanone	19	10		µg/L	1	9/28/2019 4:53:25 AM	R63292
Isopropylbenzene	44	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
4-Isopropyltoluene	4.8	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
4-Methyl-2-pentanone	ND	10		µg/L	1	9/28/2019 4:53:25 AM	R63292
Methylene Chloride	ND	3.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
n-Butylbenzene	ND	3.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
n-Propylbenzene	83	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
sec-Butylbenzene	9.3	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Styrene	3.4	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
tert-Butylbenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
trans-1,2-DCE	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Trichlorofluoromethane	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Vinyl chloride	ND	1.0		µg/L	1	9/28/2019 4:53:25 AM	R63292
Xylenes, Total	2200	15		µg/L	10	9/30/2019 2:50:54 PM	R63356
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	9/28/2019 4:53:25 AM	R63292
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	9/28/2019 4:53:25 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: TWS-4

Project: SFCJC

Collection Date: 9/24/2019 12:52:00 PM

Lab ID: 1909D60-016

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	102	70-130		%Rec	1	9/28/2019 4:53:25 AM	R63292
Surr: Toluene-d8	102	70-130		%Rec	1	9/28/2019 4:53:25 AM	R63292

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: TWN-2

Project: SFCJC

Collection Date: 9/24/2019 2:00:00 PM

Lab ID: 1909D60-017

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrite (As N)	0.28	0.10		mg/L	1	9/26/2019 6:09:19 AM	R63186
Sulfate	210	10		mg/L	20	9/26/2019 6:21:40 AM	R63186
EPA METHOD 6010B: DISSOLVED METALS							Analyst: ELS
Iron	0.023	0.020		mg/L	1	10/1/2019 12:01:58 PM	C63324
Manganese	1.8	0.010		mg/L	5	10/1/2019 1:41:15 PM	C63324
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.14	0.0094		µg/L	1	10/3/2019 12:54:48 AM	47783
NOTES:							
No trip blank was included with work order							
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	3.1	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Toluene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Ethylbenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2-Dichloroethane (EDC)	6.3	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Naphthalene	ND	2.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
2-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Acetone	ND	10		µg/L	1	9/30/2019 3:19:40 PM	R63356
Bromobenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Bromodichloromethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Bromoform	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Bromomethane	ND	3.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
2-Butanone	ND	10		µg/L	1	9/30/2019 3:19:40 PM	R63356
Carbon disulfide	ND	10		µg/L	1	9/30/2019 3:19:40 PM	R63356
Carbon Tetrachloride	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Chlorobenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Chloroethane	ND	2.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Chloroform	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Chloromethane	ND	3.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
2-Chlorotoluene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
4-Chlorotoluene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
cis-1,2-DCE	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/30/2019 3:19:40 PM	R63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1909D60

Date Reported: 10/16/2019

CLIENT: EA Engineering

Client Sample ID: TWN-2

Project: SFCJC

Collection Date: 9/24/2019 2:00:00 PM

Lab ID: 1909D60-017

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Dibromochloromethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Dibromomethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,1-Dichloroethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,1-Dichloroethene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2-Dichloropropane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,3-Dichloropropane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
2,2-Dichloropropane	ND	2.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,1-Dichloropropene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Hexachlorobutadiene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
2-Hexanone	ND	10		µg/L	1	9/30/2019 3:19:40 PM	R63356
Isopropylbenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
4-Isopropyltoluene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
4-Methyl-2-pentanone	ND	10		µg/L	1	9/30/2019 3:19:40 PM	R63356
Methylene Chloride	ND	3.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
n-Butylbenzene	ND	3.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
n-Propylbenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
sec-Butylbenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Styrene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
tert-Butylbenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
trans-1,2-DCE	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Trichlorofluoromethane	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Vinyl chloride	ND	1.0		µg/L	1	9/30/2019 3:19:40 PM	R63356
Xylenes, Total	ND	1.5		µg/L	1	9/30/2019 3:19:40 PM	R63356
Surr: 1,2-Dichloroethane-d4	94.8	70-130		%Rec	1	9/30/2019 3:19:40 PM	R63356
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	9/30/2019 3:19:40 PM	R63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1909D60**

Date Reported: **10/16/2019**

CLIENT: EA Engineering

Client Sample ID: TWN-2

Project: SFCJC

Collection Date: 9/24/2019 2:00:00 PM

Lab ID: 1909D60-017

Matrix: AQUEOUS

Received Date: 9/24/2019 3:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Surr: Dibromofluoromethane	106	70-130		%Rec	1	9/30/2019 3:19:40 PM	R63356
Surr: Toluene-d8	99.4	70-130		%Rec	1	9/30/2019 3:19:40 PM	R63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 11:54	WG1354516

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3430		10.0	1	09/28/2019 23:50	WG1354070

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	6.69	T8	1	09/28/2019 15:00	WG1353677

Sample Narrative:

L1144078-02 WG1353677: 6.69 at 21.9C

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide	ND		0.0500	1	09/30/2019 11:55	WG1354516
Sulfide,Dissolved	ND	T8	0.0500	1	10/03/2019 17:42	WG1356614

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	ND		0.0500	1	10/03/2019 17:42	WG1356614



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Methane	0.440		0.0100	1	10/01/2019 13:36	WG1355047
Ethane	ND		0.0130	1	10/01/2019 13:36	WG1355047
Ethene	ND		0.0130	1	10/01/2019 13:36	WG1355047
Acetylene	ND		0.0200	1	10/01/2019 14:44	WG1355441
Propane	ND		0.0186	1	10/01/2019 13:36	WG1355047

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	1570		10.0	1	09/28/2019 23:50	WG1354070

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	su				
	6.99	T8	1	09/28/2019 15:00	WG1353677

Sample Narrative:

L1144078-04 WG1353677: 6.99 at 21.6C

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide	mg/l		mg/l			
	ND		0.0500	1	09/30/2019 11:56	WG1354516
Sulfide,Dissolved	ND	T8	0.0500	1	10/03/2019 17:42	WG1356614

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	mg/l		mg/l			
	ND		0.0500	1	10/03/2019 17:42	WG1356614



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Methane	ND		0.0100	1	10/01/2019 13:40	WG1355047
Ethane	ND		0.0130	1	10/01/2019 13:40	WG1355047
Ethene	ND		0.0130	1	10/01/2019 13:40	WG1355047
Acetylene	ND		0.0200	1	10/01/2019 14:47	WG1355441
Propane	ND		0.0186	1	10/01/2019 13:40	WG1355047

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 11:56	WG1354516

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	1080		10.0	1	09/28/2019 23:50	WG1354070

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
pH	su					
	7.62	T8		1	09/28/2019 15:00	WG1353677

Sample Narrative:

L1144078-07 WG1353677: 7.62 at 22C

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide	mg/l		mg/l			
	ND		0.0500	1	09/30/2019 11:56	WG1354516
Sulfide,Dissolved	ND	T8	0.0500	1	10/03/2019 17:43	WG1356614

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	mg/l		mg/l			
	ND		0.0500	1	10/03/2019 17:43	WG1356614



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Methane	ND		0.0100	1	10/01/2019 13:46	WG1355047
Ethane	ND		0.0130	1	10/01/2019 13:46	WG1355047
Ethene	ND		0.0130	1	10/01/2019 13:46	WG1355047
Acetylene	ND		0.0200	1	10/01/2019 14:50	WG1355441
Propane	ND		0.0186	1	10/01/2019 13:46	WG1355047

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 11:57	WG1354516

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	1220		10.0	1	09/28/2019 23:50	WG1354070

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	su				
	7.20	T8	1	09/28/2019 15:00	WG1353677

Sample Narrative:

L1144078-10 WG1353677: 7.2 at 21.5C

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide	mg/l		mg/l			
	ND		0.0500	1	09/30/2019 11:57	WG1354516
Sulfide,Dissolved	ND	T8	0.0500	1	10/03/2019 17:44	WG1356614

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	mg/l		mg/l			
	ND		0.0500	1	10/03/2019 17:44	WG1356614



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Methane	0.0251		0.0100	1	10/01/2019 13:49	WG1355047
Ethane	ND		0.0130	1	10/01/2019 13:49	WG1355047
Ethene	ND		0.0130	1	10/01/2019 13:49	WG1355047
Acetylene	ND		0.0200	1	10/01/2019 14:52	WG1355441
Propane	ND		0.0186	1	10/01/2019 13:49	WG1355047

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 11:58	WG1354516

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	616		10.0	1	09/28/2019 23:50	WG1354070

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	su				
	6.84	J3 T8	1	09/28/2019 15:00	WG1353677

Sample Narrative:

L1144078-15 WG1353677: 6.84 at 23C

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide	mg/l		mg/l			
	ND		0.0500	1	09/30/2019 11:59	WG1354516
Sulfide,Dissolved	ND	T8	0.0500	1	10/03/2019 17:45	WG1356614

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	mg/l		mg/l			
	ND		0.0500	1	10/03/2019 17:45	WG1356614



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Methane	ND		0.0100	1	10/01/2019 13:53	WG1355047
Ethane	ND		0.0130	1	10/01/2019 13:53	WG1355047
Ethene	ND		0.0130	1	10/01/2019 13:53	WG1355047
Acetylene	ND		0.0200	1	10/01/2019 14:54	WG1355441
Propane	ND		0.0186	1	10/01/2019 13:53	WG1355047

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 11:59	WG1354516

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 12:00	WG1354516

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	850		10.0	1	09/28/2019 23:50	WG1354070

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
pH	su					
	7.32	T8		1	10/02/2019 20:27	WG1355931

Sample Narrative:

L1144078-19 WG1355931: 7.32 at 20.9C

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide	mg/l		mg/l			
	ND		0.0500	1	09/30/2019 12:00	WG1354516
Sulfide,Dissolved	ND	T8	0.0500	1	10/03/2019 17:45	WG1356614

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	mg/l		mg/l			
	ND		0.0500	1	10/03/2019 17:45	WG1356614



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Methane	ND		0.0100	1	10/01/2019 14:03	WG1355047
Ethane	ND		0.0130	1	10/01/2019 14:03	WG1355047
Ethene	ND		0.0130	1	10/01/2019 14:03	WG1355047
Acetylene	ND		0.0200	1	10/01/2019 14:56	WG1355441
Propane	ND		0.0186	1	10/01/2019 14:03	WG1355047

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 12:00	WG1354516

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Wet Chemistry by Method 120.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	1450		10.0	1	09/28/2019 23:50	WG1354070

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
pH	su					
	7.12	T8		1	10/02/2019 20:27	WG1355931

Sample Narrative:

L1144078-22 WG1355931: 7.12 at 22.6C

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Sulfide	mg/l		mg/l			
	ND		0.0500	1	09/30/2019 12:01	WG1354516
Sulfide,Dissolved	ND	T8	0.0500	1	10/03/2019 17:45	WG1356614

Wet Chemistry by Method 4500S2-H

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hydrogen Sulfide	mg/l		mg/l			
	ND		0.0500	1	10/03/2019 17:45	WG1356614



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Methane	ND		0.0100	1	10/01/2019 14:06	WG1355047
Ethane	ND		0.0130	1	10/01/2019 14:06	WG1355047
Ethene	ND		0.0130	1	10/01/2019 14:06	WG1355047
Acetylene	ND		0.0200	1	10/01/2019 14:59	WG1355441
Propane	ND		0.0186	1	10/01/2019 14:06	WG1355047

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	09/30/2019 12:01	WG1354516

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3455584-1 09/28/19 23:50

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1143849-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1143849-08 09/28/19 23:50 • (DUP) R3455584-3 09/28/19 23:50

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	433	433	1	0.000		20

L1144078-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-22 09/28/19 23:50 • (DUP) R3455584-4 09/28/19 23:50

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1450	1450	1	0.0690		20

Laboratory Control Sample (LCS)

(LCS) R3455584-2 09/28/19 23:50

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	393	393	100	85.0-115	



L1143432-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1143432-01 09/28/19 15:00 • (DUP) R3455644-2 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.38	7.37	1	0.136		1

Sample Narrative:

OS: 7.38 at 22.7C

DUP: 7.37 at 22.1C



L1143636-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1143636-05 09/28/19 15:00 • (DUP) R3455644-3 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	9.29	9.29	1	0.000		1

Sample Narrative:

OS: 9.29 at 21.8C

DUP: 9.29 at 22.1C

L1143801-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1143801-01 09/28/19 15:00 • (DUP) R3455644-5 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.00	6.99	1	0.143		1

Sample Narrative:

OS: 7 at 21.9C

DUP: 6.99 at 21.9C

L1143801-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1143801-02 09/28/19 15:00 • (DUP) R3455644-6 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.43	6.46	1	0.465		1

Sample Narrative:



L1143801-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1143801-02 09/28/19 15:00 • (DUP) R3455644-6 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 6.43 at 22C						
DUP: 6.46 at 22C						

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1143801-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1143801-03 09/28/19 15:00 • (DUP) R3455644-7 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.25	7.31	1	0.824		1

Sample Narrative:

OS: 7.25 at 22C

DUP: 7.31 at 21.6C

L1143801-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1143801-04 09/28/19 15:00 • (DUP) R3455644-8 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.11	7.03	1	1.13	J3	1

Sample Narrative:

OS: 7.11 at 22.4C

DUP: 7.03 at 21.7C

L1143801-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1143801-05 09/28/19 15:00 • (DUP) R3455644-9 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.81	6.73	1	1.18	J3	1

Sample Narrative:

OS: 6.81 at 21.9C

DUP: 6.73 at 23.3C



L1143801-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1143801-06 09/28/19 15:00 • (DUP) R3455644-10 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.89	6.90	1	0.145		1

Sample Narrative:

OS: 6.89 at 21.9C

DUP: 6.9 at 21.8C

L1143815-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1143815-01 09/28/19 15:00 • (DUP) R3455644-11 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.54	7.55	1	0.133		1

Sample Narrative:

OS: 7.54 at 22.2C

DUP: 7.55 at 22.2C

L1143959-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1143959-02 09/28/19 15:00 • (DUP) R3455644-12 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.49	7.50	1	0.133		1

Sample Narrative:

OS: 7.49 at 21.9C

DUP: 7.5 at 21.8C

L1143963-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1143963-02 09/28/19 15:00 • (DUP) R3455644-13 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.28	7.31	1	0.411		1

Sample Narrative:





L1143963-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1143963-02 09/28/19 15:00 • (DUP) R3455644-13 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 7.28 at 21.5C						
DUP: 7.31 at 21.5C						

¹Cp

²Tc

³Ss

⁴Cn

L1143974-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1143974-04 09/28/19 15:00 • (DUP) R3455644-15 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	4.24	4.24	1	0.000		1

⁵Sr

⁶Qc

Sample Narrative:

OS: 4.24 at 21.7C
DUP: 4.24 at 21.7C

⁷Gl

⁸Al

L1144078-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-02 09/28/19 15:00 • (DUP) R3455644-16 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.69	6.70	1	0.149		1

⁹Sc

Sample Narrative:

OS: 6.69 at 21.9C
DUP: 6.7 at 21.8C

L1144078-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-04 09/28/19 15:00 • (DUP) R3455644-17 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.99	7.04	1	0.713		1

Sample Narrative:

OS: 6.99 at 21.6C
DUP: 7.04 at 21.4C



L1144078-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-07 09/28/19 15:00 • (DUP) R3455644-18 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.62	7.61	1	0.131		1

Sample Narrative:

OS: 7.62 at 22C

DUP: 7.61 at 22C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1144078-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-10 09/28/19 15:00 • (DUP) R3455644-19 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.20	7.23	1	0.416		1

Sample Narrative:

OS: 7.2 at 21.5C

DUP: 7.23 at 21.6C

L1144078-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-15 09/28/19 15:00 • (DUP) R3455644-20 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.84	6.75	1	1.32	J3	1

Sample Narrative:

OS: 6.84 at 23C

DUP: 6.75 at 21.9C

L1144172-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144172-01 09/28/19 15:00 • (DUP) R3455644-21 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.06	7.04	1	0.284		1

Sample Narrative:



L1144172-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144172-01 09/28/19 15:00 • (DUP) R3455644-21 09/28/19 15:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 7.06 at 21.9C						
DUP: 7.04 at 21.8C						

Laboratory Control Sample (LCS)

(LCS) R3455644-1 09/28/19 15:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 21.7C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L1143579-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1143579-01 10/02/19 20:27 • (DUP) R3457059-2 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.15	8.14	1	0.123		1

Sample Narrative:

OS: 8.15 at 23C

DUP: 8.14 at 22.4C

L1143579-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1143579-02 10/02/19 20:27 • (DUP) R3457059-3 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.23	8.17	1	0.732		1

Sample Narrative:

OS: 8.23 at 23.7C

DUP: 8.17 at 22.3C

L1143579-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1143579-03 10/02/19 20:27 • (DUP) R3457059-4 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.39	8.39	1	0.000		1

Sample Narrative:

OS: 8.39 at 23.7C

DUP: 8.39 at 23.3C

L1143860-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1143860-06 10/02/19 20:27 • (DUP) R3457059-5 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.30	8.32	1	0.241		1

Sample Narrative:



L1143860-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1143860-06 10/02/19 20:27 • (DUP) R3457059-5 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 8.3 at 19.2C						
DUP: 8.32 at 19.9C						

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1143964-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1143964-01 10/02/19 20:27 • (DUP) R3457059-6 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.15	7.24	1	1.25	J3	1

Sample Narrative:

OS: 7.15 at 19.3C
DUP: 7.24 at 20.8C

L1144078-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-19 10/02/19 20:27 • (DUP) R3457059-7 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.32	7.37	1	0.681		1

Sample Narrative:

OS: 7.32 at 20.9C
DUP: 7.37 at 21.2C

L1144078-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-22 10/02/19 20:27 • (DUP) R3457059-8 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.12	7.13	1	0.140		1

Sample Narrative:

OS: 7.12 at 22.6C
DUP: 7.13 at 21.8C



L1144250-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144250-01 10/02/19 20:27 • (DUP) R3457059-9 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.64	8.63	1	0.116		1

Sample Narrative:

OS: 8.64 at 21.4C
DUP: 8.63 at 21.8C



L1144383-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144383-01 10/02/19 20:27 • (DUP) R3457059-10 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.83	7.85	1	0.255		1

Sample Narrative:

OS: 7.83 at 22.5C
DUP: 7.85 at 22.6C

L1144395-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144395-01 10/02/19 20:27 • (DUP) R3457059-11 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.65	8.65	1	0.000		1

Sample Narrative:

OS: 8.65 at 18.3C
DUP: 8.65 at 18.7C

L1144395-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144395-02 10/02/19 20:27 • (DUP) R3457059-12 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.30	7.29	1	0.137		1

Sample Narrative:

L1144395-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144395-02 10/02/19 20:27 • (DUP) R3457059-12 10/02/19 20:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
OS: 7.3 at 20C						
DUP: 7.29 at 20.2C						

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1144447-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-01 10/02/19 20:27 • (DUP) R3457059-13 10/02/19 20:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.56	7.57	1	0.132		1

Sample Narrative:

OS: 7.56 at 21.3C
DUP: 7.57 at 21.5C

L1144447-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-02 10/02/19 20:27 • (DUP) R3457059-14 10/02/19 20:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.60	7.69	1	1.18	J3	1

Sample Narrative:

OS: 7.6 at 21C
DUP: 7.69 at 22.2C

L1144447-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-03 10/02/19 20:27 • (DUP) R3457059-15 10/02/19 20:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.42	7.45	1	0.403		1

Sample Narrative:

OS: 7.42 at 20.9C
DUP: 7.45 at 21C



L1144447-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-04 10/02/19 20:27 • (DUP) R3457059-16 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.74	6.75	1	0.148		1

Sample Narrative:

OS: 6.74 at 22.1C

DUP: 6.75 at 21.2C



L1144447-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-05 10/02/19 20:27 • (DUP) R3457059-17 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.06	7.07	1	0.142		1

Sample Narrative:

OS: 7.06 at 21C

DUP: 7.07 at 21.3C

L1144447-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-06 10/02/19 20:27 • (DUP) R3457059-18 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.26	7.29	1	0.412		1

Sample Narrative:

OS: 7.26 at 21.4C

DUP: 7.29 at 21.5C

L1144447-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-07 10/02/19 20:27 • (DUP) R3457059-19 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.24	7.26	1	0.276		1

Sample Narrative:



L1144447-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1144447-07 10/02/19 20:27 • (DUP) R3457059-19 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
OS: 7.24 at 21.4C						
DUP: 7.26 at 21.6C						

1 Cp

2 Tc

3 Ss

4 Cn

L1144473-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1144473-01 10/02/19 20:27 • (DUP) R3457059-20 10/02/19 20:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	9.25	9.25	1	0.000		1

5 Sr

6 Qc

Sample Narrative:

OS: 9.25 at 20.7C

DUP: 9.25 at 21.4C

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3457059-1 10/02/19 20:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

9 Sc

Sample Narrative:

LCS: 10 at 21.3C



Method Blank (MB)

(MB) R3455920-1 09/30/19 11:53

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfide	U		0.00650	0.0500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1144078-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-04 09/30/19 11:56 • (DUP) R3455920-5 09/30/19 11:56

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfide	ND	0.000	1	0.000		20

L1144078-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-17 09/30/19 11:59 • (DUP) R3455920-6 09/30/19 11:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfide	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3455920-2 09/30/19 11:53

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfide	0.500	0.488	97.6	85.0-115	

L1144078-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1144078-01 09/30/19 11:54 • (MS) R3455920-3 09/30/19 11:55 • (MSD) R3455920-4 09/30/19 11:55

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfide	1.00	ND	0.969	0.976	96.9	97.6	1	80.0-120			0.720	20



Method Blank (MB)

(MB) R3457489-1 10/03/19 17:41

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfide,Dissolved	U		0.0170	0.0500

L1144078-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-02 10/03/19 17:42 • (DUP) R3457489-3 10/03/19 17:42

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfide,Dissolved	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3457489-2 10/03/19 17:42

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfide,Dissolved	0.500	0.433	86.6	85.0-115	

L1144078-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1144078-04 10/03/19 17:42 • (MS) R3457489-4 10/03/19 17:43 • (MSD) R3457489-5 10/03/19 17:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfide,Dissolved	1.00	ND	0.857	0.856	85.7	85.6	1	80.0-120			0.117	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3456435-1 10/01/19 13:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methane	U		0.00291	0.0100
Ethane	U		0.00407	0.0130
Ethene	U		0.00426	0.0130
Propane	U		0.00548	0.0186

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3456435-2 10/01/19 14:25 • (LCSD) R3456435-3 10/01/19 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	0.0678	0.0731	0.0749	108	111	85.0-115			2.46	20
Ethane	0.129	0.119	0.117	92.0	91.0	85.0-115			1.11	20
Ethene	0.127	0.118	0.117	92.9	92.1	85.0-115			0.813	20
Propane	0.186	0.173	0.172	93.0	92.6	85.0-115			0.460	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3456464-1 10/01/19 14:42				
	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Acetylene	U		0.00560	0.0200

L1144078-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1144078-03 10/01/19 14:44 • (DUP) R3456464-2 10/01/19 15:05						
	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Acetylene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3456464-3 10/01/19 15:38 • (LCSD) R3456464-4 10/01/19 15:41									
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD
Analyte	mg/l	mg/l	mg/l	%	%	%			%
Acetylene	0.208	0.188	0.179	90.6	86.0	85.0-115			5.25
									20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J3	The associated batch QC was outside the established quality control range for precision.
T8	Sample(s) received past/too close to holding time expiration.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gi

8 Ai

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

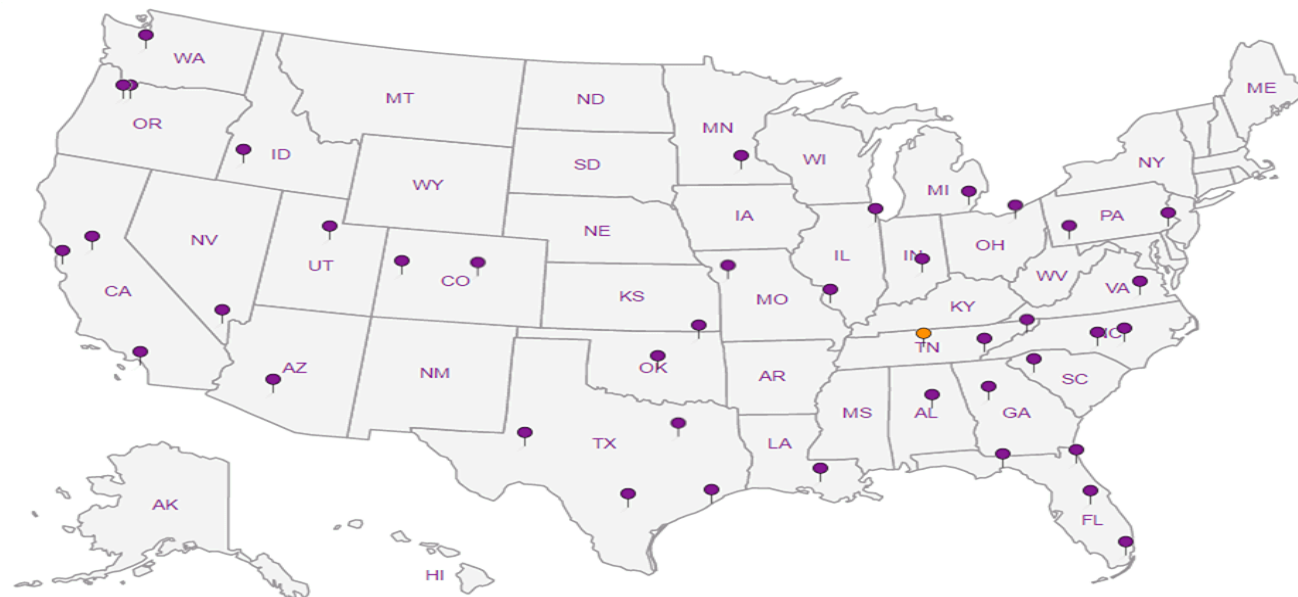
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



D039

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRACTOR: ESC PACE		COMPANY: ESC PACE		PHONE: (800) 767-5859		FAX: (615) 758-5859	
ADDRESS: 12065 Lebanon Rd				ACCOUNT #:		EMAIL:	
CITY, STATE, ZIP: Mt. Juliet, TN 37122							

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	1909D60-001E	CMW-4	500PLNAOH ZNAO	Aqueous	9/23/2019 1:40:00 PM	1	Sulfide >12
2	1909D60-002E	MW-1R	500PLNAOH ZNAO	Aqueous	9/24/2019 11:03:00 AM	2	Sulfide and H2S >12
3	1909D60-002F	MW-1R	VOAHCL	Aqueous	9/24/2019 11:03:00 AM	2	Methane
4	1909D60-003E	MW-4R	500PLNAOH ZNAO	Aqueous	9/24/2019 8:25:00 AM	2	Sulfide and H2S >12
5	1909D60-003F	MW-4R	VOAHCL	Aqueous	9/24/2019 8:25:00 AM	3	Methane
6	1909D60-004D	MW-6	500PLNAOH ZNAO	Aqueous	9/23/2019 9:55:00 AM	1	Sulfide
7	1909D60-005E	MW-11	500PLNAOH ZNAO	Aqueous	9/23/2019 3:05:00 PM	2	Sulfide and H2S >12
8	1909D60-005F	MW-11	VOAHCL	Aqueous	9/23/2019 3:05:00 PM	2	Methane
9	1909D60-006E	MW-15	500PLNAOH ZNAO	Aqueous	9/24/2019 11:00:00 AM	1	Sulfide >12
10	1909D60-007D	SFCMW-01	500PLNAOH ZNAO	Aqueous	9/23/2019 4:45:00 PM	2	Sulfide and H2S >12
11	1909D60-007E	SFCMW-01	VOAHCL	Aqueous	9/23/2019 4:45:00 PM	3	Methane
12	1909D60-008D	SCFMW-02	500PLNAOH ZNAO	Aqueous	9/23/2019 11:10:00 AM	1	Sulfide >12
13	1909D60-009D	SCFMW-03	500PLNAOH ZNAO	Aqueous	9/23/2019 12:15:00 PM	1	Sulfide >12

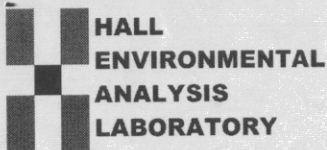
SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>[Signature]</i>	Date: 9/25/2019	Time: 10:30 AM	Received By: <i>[Signature]</i>	Date: 9/27/19	Time: 8:45
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☒ RUSH ☐ Next BD ☐ 2nd BD ☐ 3rd BD ☐		REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
		FOR LAB USE ONLY Temp of samples 1.4/2 = 1.6 °C Attempt to Cool? _____ Comments: COCG: RAD SCREEN: <0.5 mR/hr	

4510 1668 9892 TOTAL = 44



CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRACTOR: ESC PACE		COMPANY: ESC PACE		PHONE: (800) 767-5859		FAX: (615) 758-5859	
ADDRESS: 12065 Lebanon Rd				ACCOUNT #:		EMAIL:	
CITY, STATE, ZIP: Mt. Juliet, TN 37122							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
14	1909D60-010E	SFCMW-07	500PLNAOH ZNIAC	Aqueous	9/24/2019 11:36:00 AM	1	Sulfide >12 L1144078-14
15	1909D60-011D	SFCMW-10	500PLNAOH ZNIAC	Aqueous	9/23/2019 7:08:00 PM	2	Sulfide and H2S >12 15
16	1909D60-011E	SFCMW-10	VOAHCL	Aqueous	9/23/2019 7:08:00 PM	3-2	Methane 16
17	1909D60-012D	SVE-1	500PLNAOH ZNIAC	Aqueous	9/23/2019 12:15:00 PM	1	Sulfide >12 17
18	1909D60-013D	SVE-11D	500PLNAOH ZNIAC	Aqueous	9/23/2019 2:25:00 PM	1	Sulfide >12 18
19	1909D60-014E	TWN-3	500PLNAOH ZNIAC	Aqueous	9/23/2019 9:15:00 AM	2	Sulfide and H2S >12 19
20	1909D60-014F	TWN-3	VOAHCL	Aqueous	9/23/2019 9:15:00 AM	3-2	Methane 20
21	1909D60-015D	TWS-1	500PLNAOH ZNIAC	Aqueous	9/23/2019 3:00:00 PM	1	Sulfide >12 21
22	1909D60-016E	TWS-4	500PLNAOH ZNIAC	Aqueous	9/24/2019 12:52:00 PM	2	Sulfide and H2S >12 22
23	1909D60-016F	TWS-4	VOAHCL	Aqueous	9/24/2019 12:52:00 PM	3-2	Methane 23
24	1909D60-017E	TWN-2	500PLNAOH ZNIAC	Aqueous	9/24/2019 2:00:00 PM	1	Sulfide >12 24

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 9/25/2019	Time: 10:30 AM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
TAT: Standard ☒ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐					
REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE					
FOR LAB USE ONLY					
Temp of samples 1.4h 2.16h Attempt to Cool? _____					
Comments: COCS RAD SCREEN: <0.5 mR/hr					

USIN 1668 5892 7.1h 1.344

**Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form**

Client:	HALLENVANM	L1144078
Cooler Received/Opened On:	9/27/19	Temperature: 1.6
Received By: Cole Medley		
Signature: 		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		☒	
COC Signed / Accurate?		☒	
Bottles arrive intact?		☒	
Correct bottles used?		☒	
Sufficient volume sent?		☒	
If Applicable			
VOA Zero headspace?		☒	
Preservation Correct / Checked?		☒	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R63287	RunNo: 63287								
Prep Date:	Analysis Date: 9/27/2019	SeqNo: 2159690 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: LCS	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R63287	RunNo: 63287								
Prep Date:	Analysis Date: 9/27/2019	SeqNo: 2159691 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.7	0.50	10.00	0	97.2	90	110			

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R63318	RunNo: 63318								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2161103 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R63318	RunNo: 63318								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2161104 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.8	0.50	10.00	0	98.2	90	110			
Nitrate+Nitrite as N	3.5	0.20	3.500	0	98.9	90	110			

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: A63318	RunNo: 63318								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2161151 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: A63318	RunNo: 63318								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2161152 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.6	0.20	3.500	0	103	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R63535	RunNo: 63535								
Prep Date:	Analysis Date: 10/8/2019	SeqNo: 2170687		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R63535	RunNo: 63535								
Prep Date:	Analysis Date: 10/8/2019	SeqNo: 2170688		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.5	0.20	3.500	0	101	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB-47783	SampType: MBLK	TestCode: EPA Method 8011/504.1: EDB
Client ID: PBW	Batch ID: 47783	RunNo: 63399
Prep Date: 10/1/2019	Analysis Date: 10/2/2019	SeqNo: 2164519 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
1,2-Dibromoethane	ND	0.010

Sample ID: LCS-47783	SampType: LCS	TestCode: EPA Method 8011/504.1: EDB
Client ID: LCSW	Batch ID: 47783	RunNo: 63399
Prep Date: 10/1/2019	Analysis Date: 10/2/2019	SeqNo: 2164520 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
1,2-Dibromoethane	0.11	0.010 0.1000 0 110 70 130

NOTES:

No trip blank was included with work order

No trip blank was included with work order

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: R63292	RunNo: 63292								
Prep Date:	Analysis Date: 9/27/2019	SeqNo: 2159814	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.2	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	20	1.0	20.00	0	102	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	93.8	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	91.8	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.5	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.7	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	11		10.00		106	70	130			

Sample ID: rb1	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R63292	RunNo: 63292								
Prep Date:	Analysis Date: 9/27/2019	SeqNo: 2159850	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb1	SampType: MBLK				TestCode: EPA Method 8260B: VOLATILES					
Client ID: PBW	Batch ID: R63292				RunNo: 63292					
Prep Date:	Analysis Date: 9/27/2019				SeqNo: 2159850	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb1	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R63292	RunNo: 63292								
Prep Date:	Analysis Date: 9/27/2019	SeqNo: 2159850	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.8	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.7	70	130			
Surr: Dibromofluoromethane	10		10.00		99.7	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: R63356	RunNo: 63356								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2162685	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.1	70	130			
Toluene	21	1.0	20.00	0	104	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	93.6	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	89.2	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	10		10.00		100	70	130			
Surr: Toluene-d8	10		10.00		105	70	130			

Sample ID: rb1	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R63356	RunNo: 63356								
Prep Date:	Analysis Date: 9/30/2019	SeqNo: 2162722	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb1	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: R63356			RunNo: 63356						
Prep Date:	Analysis Date: 9/30/2019			SeqNo: 2162722	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb1	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: R63356			RunNo: 63356						
Prep Date:	Analysis Date: 9/30/2019			SeqNo: 2162722		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.3	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	70	130			
Surr: Dibromofluoromethane	9.6		10.00		95.8	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB-C	SampType: MBLK	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: PBW	Batch ID: C63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162321 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								
Manganese	ND	0.0020								

Sample ID: LCS-C	SampType: LCS	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: LCSW	Batch ID: C63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162323 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.49	0.020	0.5000	0	97.9	80	120			
Manganese	0.49	0.0020	0.5000	0	98.7	80	120			

Sample ID: 1909D60-001DMS	SampType: MS	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: CMW-4	Batch ID: C63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162394 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	4.0	0.010	2.500	1.505	98.4	75	125			

Sample ID: 1909D60-001DMSD	SampType: MSD	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: CMW-4	Batch ID: C63324	RunNo: 63324								
Prep Date:	Analysis Date: 10/1/2019	SeqNo: 2162395 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	4.0	0.010	2.500	1.505	98.5	75	125	0.0286	20	

Sample ID: MB-B	SampType: MBLK	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: PBW	Batch ID: B63599	RunNo: 63599								
Prep Date:	Analysis Date: 10/10/2019	SeqNo: 2173009 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID: LCS-B	SampType: LCS	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: LCSW	Batch ID: B63599	RunNo: 63599								
Prep Date:	Analysis Date: 10/10/2019	SeqNo: 2173011 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	95.7	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1909D60

05-Dec-19

Client: EA Engineering

Project: SFCJC

Sample ID: 1909D60-001DMS	SampType: MS	TestCode: EPA Method 6010B: Dissolved Metals
Client ID: CMW-4	Batch ID: B63599	RunNo: 63599
Prep Date:	Analysis Date: 10/10/2019	SeqNo: 2173066 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Iron	3.7	0.10 2.500 1.305 94.2 75 125

Sample ID: 1909D60-001DMSD	SampType: MSD	TestCode: EPA Method 6010B: Dissolved Metals
Client ID: CMW-4	Batch ID: B63599	RunNo: 63599
Prep Date:	Analysis Date: 10/10/2019	SeqNo: 2173071 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Iron	3.8	0.10 2.500 1.305 98.4 75 125 2.79 20

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Sample Log-In Check List

Client Name: **EA Engineering Alb**

Work Order Number: **1909D60**

RcptNo: 1

Received By: **Yazmine Garduno** 9/24/2019 3:30:00 PM

Completed By: **Erin Melendrez** 9/24/2019 4:32:09 PM

Reviewed By: **Y6 9/25/19**

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐

4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐

5. Sample(s) in proper container(s)? Yes ☒ No ☐

6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. VOA vials have zero headspace? Yes ☒ No ☐ No VOA Vials ☐

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analyses were requested? Yes ☒ No ☐

14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(≤ 2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Not Present			
2	4.3	Good	Not Present			

Chain-of-Custody Record	
Client:	EA ENGINEERING
Turn-Around Time:	☒ Standard ☐ Rush

Mailing Address: 270 Levee Ave. S.W.

Suite 1300 ABQ NM

Phone #: 505-369-3149

email or Fax#: never@aest.com

QA/QC Package:

☒ Standard

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other☐ FDD (T vne)

	()
--	-----

Date	Time	Matrix	Sample Name
------	------	--------	-------------

9/23/19	1425	A	SVE-11D
---------	------	---	---------

9/23/19	0915	A	TWIN = 3
---------	------	---	----------

9/23/19	1500	A	TWS-1
---------	------	---	-------

9/25/11	1757	A	TWS-4
---------	------	---	-------

10/11/19	A	100
10/11/19	V	100

12/1/19	11:00	F	103-2	
			TRIP BLANK	Doc

Date:	Time:	Relinquished by:
-------	-------	------------------

9/24/19 1530

Date:	Time:	Relinquished by:
-------	-------	------------------

Date:	Time:	Relinquished by:
-------	-------	------------------

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Remarks:

2 of 2



CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRACTOR:	ESC PACE	COMPANY:	ESC PACE	PHONE:	(800) 767-5859	FAX:	(615) 758-5859
ADDRESS:	12065 Lebanon Rd						
CITY, STATE, ZIP:	Mt. Juliet, TN 37122						

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	1909D60-001E	CMW-4	500PLNAOH ZNA/C	Aqueous	9/23/2019 1:40:00 PM	1	Sulfide
2	1909D60-002E	MW-1R	500PLNAOH ZNA/C	Aqueous	9/24/2019 11:03:00 AM	2	Sulfide and H2S
3	1909D60-002F	MW-1R	VOAHCL	Aqueous	9/24/2019 11:03:00 AM	2	Methane
4	1909D60-003E	MW-4R	500PLNAOH ZNA/C	Aqueous	9/24/2019 8:25:00 AM	2	Sulfide and H2S
5	1909D60-003F	MW-4R	VOAHCL	Aqueous	9/24/2019 8:25:00 AM	2	Methane
6	1909D60-004D	MW-6	500PLNAOH ZNA/C	Aqueous	9/23/2019 9:55:00 AM	1	Sulfide
7	1909D60-005E	MW-11	500PLNAOH ZNA/C	Aqueous	9/23/2019 3:05:00 PM	2	Sulfide and H2S
8	1909D60-005F	MW-11	VOAHCL	Aqueous	9/23/2019 3:05:00 PM	2	Methane
9	1909D60-006E	MW-15	500PLNAOH ZNA/C	Aqueous	9/24/2019 11:00:00 AM	1	Sulfide
10	1909D60-007D	SFCMW-01	500PLNAOH ZNA/C	Aqueous	9/23/2019 4:45:00 PM	2	Sulfide and H2S
11	1909D60-007E	SFCMW-01	VOAHCL	Aqueous	9/23/2019 4:45:00 PM	2	Methane
12	1909D60-008D	SCFMW-02	500PLNAOH ZNA/C	Aqueous	9/23/2019 11:10:00 AM	1	Sulfide
13	1909D60-009D	SCFMW-03	500PLNAOH ZNA/C	Aqueous	9/23/2019 12:15:00 PM	1	Sulfide

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 9/25/2019	Time: 10:30 AM	Received By:	Date:	Time:	REPORT TRANSMITTAL DESIRED: ☐ HARD COPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY Temp of samples _____ °C Attempt to Cool? _____	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Comments: _____	
TAT:	Standard ☒	RUSH	Next BD ☐	2nd BD ☐	3rd BD ☐		



CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 2

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

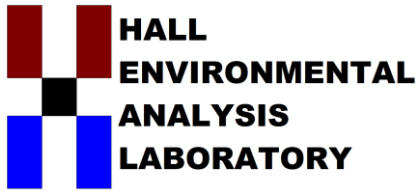
SUB CONTRACTOR:	ESC PACE	COMPANY:	ESC PACE	PHONE:	(800) 767-5859	FAX:	(615) 758-5859
ADDRESS:	12065 Lebanon Rd						
CITY, STATE, ZIP:	Mt. Juliet, TN 37122						

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
14	1909D60-010E	SFCMW-07	500PLNAOH ZNAAC	Aqueous	9/24/2019 11:36:00 AM	1	Sulfide
15	1909D60-011D	SFCMW-10	500PLNAOH ZNAAC	Aqueous	9/23/2019 7:08:00 PM	2	Sulfide and H2S
16	1909D60-011E	SFCMW-10	VOAHCL	Aqueous	9/23/2019 7:08:00 PM	2	Methane
17	1909D60-012D	SVE-1	500PLNAOH ZNAAC	Aqueous	9/23/2019 12:15:00 PM	1	Sulfide
18	1909D60-013D	SVE-11D	500PLNAOH ZNAAC	Aqueous	9/23/2019 2:25:00 PM	1	Sulfide
19	1909D60-014E	TWN-3	500PLNAOH ZNAAC	Aqueous	9/23/2019 9:15:00 AM	2	Sulfide and H2S
20	1909D60-014F	TWN-3	VOAHCL	Aqueous	9/23/2019 9:15:00 AM	2	Methane
21	1909D60-015D	TWS-1	500PLNAOH ZNAAC	Aqueous	9/23/2019 3:00:00 PM	1	Sulfide
22	1909D60-016E	TWS-4	500PLNAOH ZNAAC	Aqueous	9/24/2019 12:52:00 PM	2	Sulfide and H2S
23	1909D60-016F	TWS-4	VOAHCL	Aqueous	9/24/2019 12:52:00 PM	2	Methane
24	1909D60-017E	TWN-2	500PLNAOH ZNAAC	Aqueous	9/24/2019 2:00:00 PM	1	Sulfide

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 9/25/2019	Time: 10:30 AM	Received By:	Date:	Time:	REPORT TRANSMITTAL DESIRED: ☐ HARD COPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Temp of samples _____ °C Attempt to Cool? _____	
TAT:	Standard ☒	RUSH	Next BD ☐	2nd BD ☐	3rd BD ☐	Comments: _____	



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 01, 2019

Mike McVey

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL: (505) 369-3149
FAX:

RE: SFCJC

OrderNo.: 1910D87

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/25/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1910D87

Date Reported: 11/1/2019

CLIENT: EA Engineering

Client Sample ID: SFCMW-02

Project: SFCJC

Collection Date: 10/25/2019 9:51:00 AM

Lab ID: 1910D87-001

Matrix: AQUEOUS

Received Date: 10/25/2019 12:50:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrate (As N)	3.8	0.50		mg/L	5	10/25/2019 11:33:45 PM	A63973
Sulfate	79	2.5		mg/L	5	10/25/2019 11:33:45 PM	A63973
EPA METHOD 6010B: DISSOLVED METALS							Analyst: rde
Iron	0.022	0.020		mg/L	1	10/30/2019 2:19:53 PM	B64097
Manganese	3.4	0.010		mg/L	5	10/30/2019 2:49:39 PM	B64097
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Toluene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Ethylbenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Naphthalene	110	20		µg/L	10	10/29/2019 6:20:30 PM	R64075
1-Methylnaphthalene	180	20		µg/L	10	10/29/2019 6:20:30 PM	R64075
2-Methylnaphthalene	77	4.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Acetone	ND	10		µg/L	1	10/29/2019 8:39:28 AM	B64048
Bromobenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Bromodichloromethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Bromoform	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Bromomethane	ND	3.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
2-Butanone	ND	10		µg/L	1	10/29/2019 8:39:28 AM	B64048
Carbon disulfide	ND	10		µg/L	1	10/29/2019 8:39:28 AM	B64048
Carbon Tetrachloride	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Chlorobenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Chloroethane	ND	2.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Chloroform	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Chloromethane	ND	3.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
2-Chlorotoluene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
4-Chlorotoluene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
cis-1,2-DCE	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Dibromochloromethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Dibromomethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1910D87

Date Reported: 11/1/2019

CLIENT: EA Engineering

Client Sample ID: SFCMW-02

Project: SFCJC

Collection Date: 10/25/2019 9:51:00 AM

Lab ID: 1910D87-001

Matrix: AQUEOUS

Received Date: 10/25/2019 12:50:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,1-Dichloroethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,1-Dichloroethene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2-Dichloropropane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,3-Dichloropropane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
2,2-Dichloropropane	ND	2.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,1-Dichloropropene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Hexachlorobutadiene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
2-Hexanone	ND	10		µg/L	1	10/29/2019 8:39:28 AM	B64048
Isopropylbenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
4-Isopropyltoluene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
4-Methyl-2-pentanone	ND	10		µg/L	1	10/29/2019 8:39:28 AM	B64048
Methylene Chloride	ND	3.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
n-Butylbenzene	ND	3.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
n-Propylbenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
sec-Butylbenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Styrene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
tert-Butylbenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
trans-1,2-DCE	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Trichlorofluoromethane	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Vinyl chloride	ND	1.0		µg/L	1	10/29/2019 8:39:28 AM	B64048
Xylenes, Total	ND	1.5		µg/L	1	10/29/2019 8:39:28 AM	B64048
Surr: 1,2-Dichloroethane-d4	95.8	70-130		%Rec	1	10/29/2019 8:39:28 AM	B64048
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	10/29/2019 8:39:28 AM	B64048
Surr: Dibromofluoromethane	99.5	70-130		%Rec	1	10/29/2019 8:39:28 AM	B64048
Surr: Toluene-d8	98.6	70-130		%Rec	1	10/29/2019 8:39:28 AM	B64048

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1910D87

Date Reported: 11/1/2019

CLIENT: EA Engineering

Client Sample ID: SFCMW-03

Project: SFCJC

Collection Date: 10/25/2019 10:40:00 AM

Lab ID: 1910D87-002

Matrix: AQUEOUS

Received Date: 10/25/2019 12:50:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Nitrogen, Nitrate (As N)	8.1	0.50		mg/L	5	10/25/2019 11:58:34 PM	A63973
Sulfate	100	2.5		mg/L	5	10/25/2019 11:58:34 PM	A63973
EPA METHOD 6010B: DISSOLVED METALS							Analyst: rde
Iron	ND	0.020		mg/L	1	10/30/2019 2:21:53 PM	B64097
Manganese	0.14	0.0020		mg/L	1	10/30/2019 2:21:53 PM	B64097
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Toluene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Ethylbenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Naphthalene	34	20		µg/L	10	10/29/2019 6:49:06 PM	R64075
1-Methylnaphthalene	34	20		µg/L	10	10/29/2019 6:49:06 PM	R64075
2-Methylnaphthalene	120	20		µg/L	10	10/29/2019 6:49:06 PM	R64075
Acetone	ND	10		µg/L	1	10/29/2019 9:08:05 AM	B64048
Bromobenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Bromodichloromethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Bromoform	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Bromomethane	ND	3.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
2-Butanone	ND	10		µg/L	1	10/29/2019 9:08:05 AM	B64048
Carbon disulfide	ND	10		µg/L	1	10/29/2019 9:08:05 AM	B64048
Carbon Tetrachloride	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Chlorobenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Chloroethane	ND	2.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Chloroform	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Chloromethane	ND	3.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
2-Chlorotoluene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
4-Chlorotoluene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
cis-1,2-DCE	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Dibromochloromethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Dibromomethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1910D87

Date Reported: 11/1/2019

CLIENT: EA Engineering

Client Sample ID: SFCMW-03

Project: SFCJC

Collection Date: 10/25/2019 10:40:00 AM

Lab ID: 1910D87-002

Matrix: AQUEOUS

Received Date: 10/25/2019 12:50:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,1-Dichloroethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,1-Dichloroethene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2-Dichloropropane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,3-Dichloropropane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
2,2-Dichloropropane	ND	2.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,1-Dichloropropene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Hexachlorobutadiene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
2-Hexanone	ND	10		µg/L	1	10/29/2019 9:08:05 AM	B64048
Isopropylbenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
4-Isopropyltoluene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
4-Methyl-2-pentanone	ND	10		µg/L	1	10/29/2019 9:08:05 AM	B64048
Methylene Chloride	ND	3.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
n-Butylbenzene	ND	3.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
n-Propylbenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
sec-Butylbenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Styrene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
tert-Butylbenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
trans-1,2-DCE	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Trichlorofluoromethane	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Vinyl chloride	ND	1.0		µg/L	1	10/29/2019 9:08:05 AM	B64048
Xylenes, Total	ND	1.5		µg/L	1	10/29/2019 9:08:05 AM	B64048
Surr: 1,2-Dichloroethane-d4	92.5	70-130		%Rec	1	10/29/2019 9:08:05 AM	B64048
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	10/29/2019 9:08:05 AM	B64048
Surr: Dibromofluoromethane	101	70-130		%Rec	1	10/29/2019 9:08:05 AM	B64048
Surr: Toluene-d8	100	70-130		%Rec	1	10/29/2019 9:08:05 AM	B64048

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

November 01, 2019

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Hall Environmental Analysis Laboratory

Sample Delivery Group: L1154871
Samples Received: 10/29/2019
Project Number:
Description:

Report To:

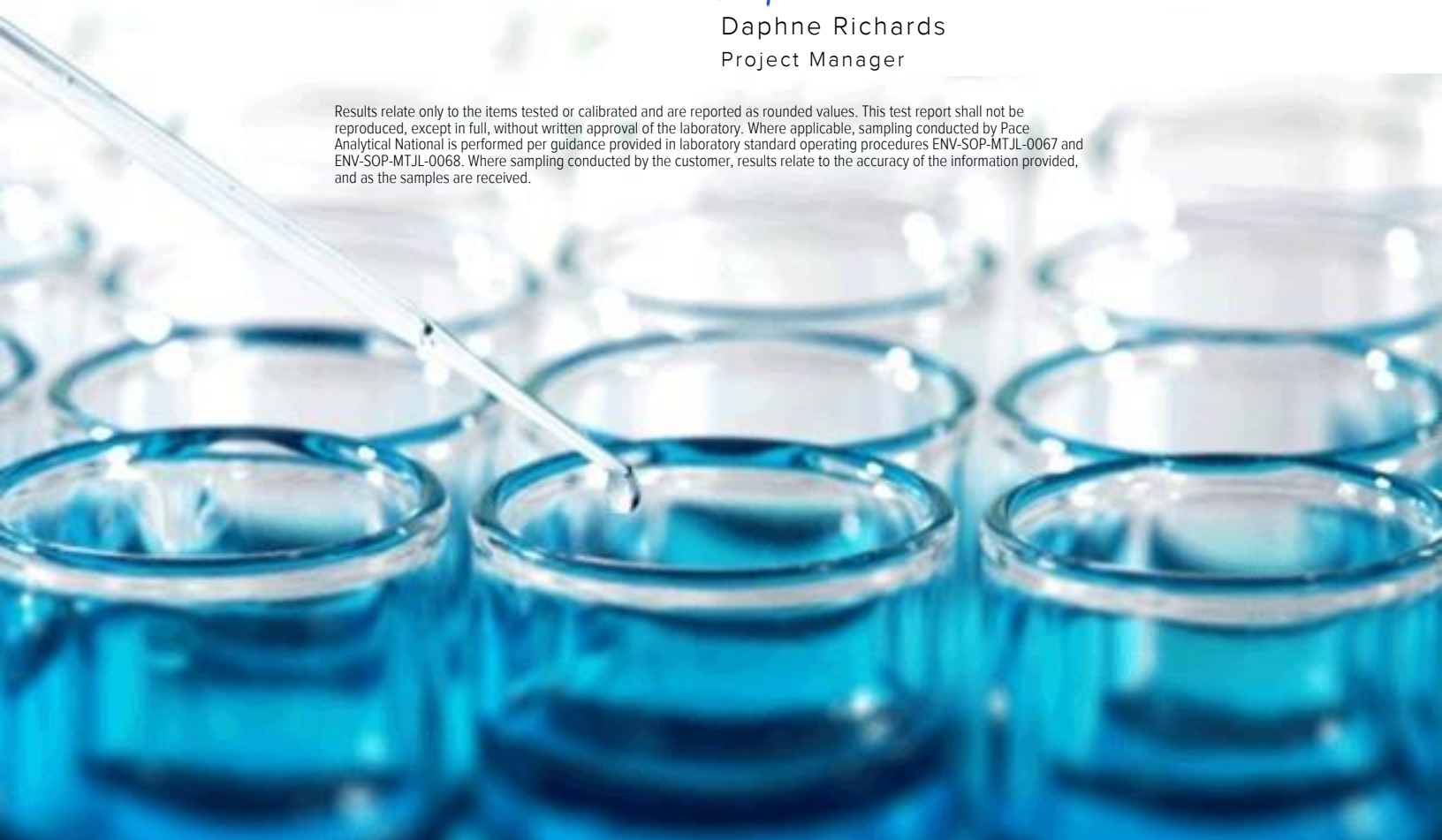
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By:



Daphne Richards
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
1910D87-001D SFCMW-02 L1154871-01	5	
1910D87-002D SFCMW-03 L1154871-02	6	⁴ Cn
Qc: Quality Control Summary	7	⁵ Sr
Wet Chemistry by Method 4500S2 D-2011	7	
Gl: Glossary of Terms	8	⁶ Qc
Al: Accreditations & Locations	9	⁷ Gl
Sc: Sample Chain of Custody	10	⁸ Al
		⁹ Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



1910D87-001D SFCMW-02 L1154871-01 WW

Collected by

Collected date/time

Received date/time

10/25/19 09:51

10/29/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1372336	1	10/31/19 16:50	10/31/19 16:50	MJA	Mt. Juliet, TN

¹Cp

²Tc

³Ss

1910D87-002D SFCMW-03 L1154871-02 WW

Collected by

Collected date/time

Received date/time

10/25/19 10:40

10/29/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1372336	1	10/31/19 16:51	10/31/19 16:51	MJA	Mt. Juliet, TN

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

ACCOUNT:

Hall Environmental Analysis Laboratory

PROJECT:

SDG:

L1154871

DATE/TIME:

11/01/19 09:36

PAGE:

3 of 11



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	10/31/2019 16:50	WG1372336

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	10/31/2019 16:51	WG1372336

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3467246-1 10/31/19 16:47

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfide	U		0.00650	0.0500

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

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L1154680-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1154680-01 10/31/19 16:48 • (DUP) R3467246-3 10/31/19 16:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfide	ND	0.000	1	0.000		20

L1155093-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1155093-04 10/31/19 16:52 • (DUP) R3467246-6 10/31/19 16:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfide	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3467246-2 10/31/19 16:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfide	0.500	0.527	105	85.0-115	

L1154681-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1154681-01 10/31/19 16:48 • (MS) R3467246-4 10/31/19 16:49 • (MSD) R3467246-5 10/31/19 16:49

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfide	1.00	ND	0.845	0.907	84.5	90.7	1	80.0-120			7.08	20



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

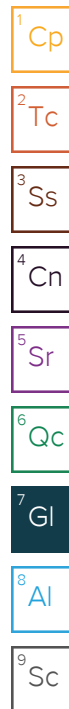
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.





Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

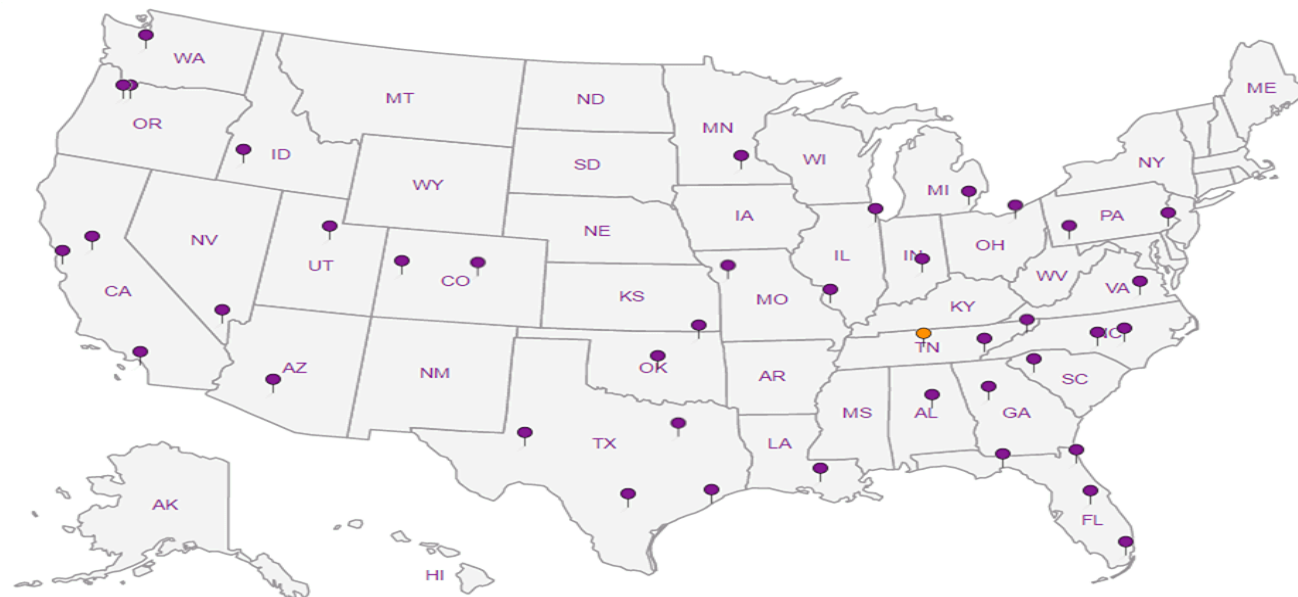
Third Party Federal Accreditations

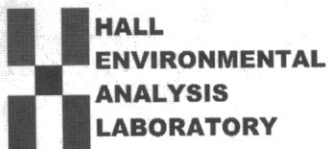
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.





CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRACTOR: ESC PACE		COMPANY: ESC PACE		PHONE: (800) 767-5859		FAX: (615) 758-5859	
ADDRESS: 12065 Lebanon Rd				ACCOUNT #:		EMAIL:	
CITY, STATE, ZIP: Mt. Juliet, TN 37122							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	1910D87-001D	SFCMW-02	500PLNAOH ZMAC	Aqueous	10/25/2019 9:51:00 AM	1	SULFIDE 712 L1154871-01
2	1910D87-002D	SFCMW-03	500PLNAOH ZMAC	Aqueous	10/25/2019 10:40:00 AM	1	SULFIDE 712 02

D053

RAD SCREEN: <0.5 mR/hr

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

RELINQUISHED BY: <i>[Signature]</i>						TRK: 4510 1669 0261 CONT=2					
Relinquished By:		Date: 10/25/2019	Time: 1:45 PM	Received By: <i>[Signature]</i>		Date: 10/29/19	Time: 8:45	REPORT TRANSMITTAL DESIRED:			
Relinquished By:		Date:	Time:	Received By:		Date:	Time:	☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE			
Relinquished By:		Date:	Time:	Received By:		Date:	Time:	FOR LAB USE ONLY			
TAT:		Standard ☒	RUSH	Next BD ☐	2nd BD ☐	3rd BD ☐	Temp of samples 9:4:52 Attempt to Cool ?				
Comments: <i>cos</i>											

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client:	HALLENVANM	L1154871	
Cooler Received/Opened On:	10/29/19	Temperature:	.3
Received By:	clark dixon Delvante Pinkston		
Signature:	Delvante Pinkston		
Receipt Check List			
	NP	Yes	No
COC Seal Present / Intact?		/	
COC Signed / Accurate?		/	
Bottles arrive intact?		/	
Correct bottles used?		/	
Sufficient volume sent?		/	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?		/	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1910D87

01-Nov-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: A63973	RunNo: 63973								
Prep Date:	Analysis Date: 10/25/2019	SeqNo: 2189794 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: A63973	RunNo: 63973								
Prep Date:	Analysis Date: 10/25/2019	SeqNo: 2189795 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.5	90	110			
Sulfate	9.6	0.50	10.00	0	96.1	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1910D87

01-Nov-19

Client: EA Engineering

Project: SFCJC

Sample ID: 100ng lcs2		SampType: LCS		TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW		Batch ID: B64048		RunNo: 64048						
Prep Date:		Analysis Date: 10/28/2019		SeqNo: 2191063			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Chlorobenzene	22	1.0	20.00	0	110	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	94.3	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	94.3	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.0	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.8		10.00		98.0	70	130			

Sample ID: rb2		SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW		Batch ID: B64048		RunNo: 64048						
Prep Date:		Analysis Date: 10/29/2019		SeqNo: 2191103			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1910D87

01-Nov-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb2	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: B64048			RunNo: 64048						
Prep Date:	Analysis Date: 10/29/2019			SeqNo: 2191103	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1910D87

01-Nov-19

Client: EA Engineering

Project: SFCJC

Sample ID: rb2	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: B64048			RunNo: 64048						
Prep Date:	Analysis Date: 10/29/2019			SeqNo: 2191103		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.8	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		96.8	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: 100ng lcs	SampType: LCS			TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW	Batch ID: R64075			RunNo: 64075						
Prep Date:	Analysis Date: 10/29/2019			SeqNo: 2192371		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.1	70	130			
Surr: 4-Bromofluorobenzene	9.1		10.00		90.9	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.9		10.00		99.1	70	130			

Sample ID: rb	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: R64075			RunNo: 64075						
Prep Date:	Analysis Date: 10/29/2019			SeqNo: 2192402		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Surr: 1,2-Dichloroethane-d4	9.2		10.00		92.4	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.8	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.0	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1910D87

01-Nov-19

Client: EA Engineering

Project: SFCJC

Sample ID: MB-B	SampType: MBLK	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: PBW	Batch ID: B64097	RunNo: 64097								
Prep Date:	Analysis Date: 10/30/2019	SeqNo: 2192814 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								
Manganese	ND	0.0020								

Sample ID: LCS-B	SampType: LCS	TestCode: EPA Method 6010B: Dissolved Metals								
Client ID: LCSW	Batch ID: B64097	RunNo: 64097								
Prep Date:	Analysis Date: 10/30/2019	SeqNo: 2192815 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.50	0.020	0.5000	0	99.2	80	120			
Manganese	0.49	0.0020	0.5000	0	98.2	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EA Engineering Alb

Work Order Number: 1910D87

RcptNo: 1

Received By: Erin Melendrez 10/25/2019 12:50:00 PM

Completed By: Anne Thorne 10/25/2019 1:40:15 PM

Reviewed By:

YG 10/25/19

[Signature]

[Signature]

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐

4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐

5. Sample(s) in proper container(s)? Yes ☒ No ☐

6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. VOA vials have zero headspace? Yes ☒ No ☐ No VOA Vials ☐

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analyses were requested? Yes ☒ No ☐

14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

4, 2 > 9
(2 or > 12 unless noted)

Adjusted? NO

Checked by: ENH 10/25/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.7	Good				

[illegible]

Turn-Around Time:		
☒ Standard ☐ Rush		
Project Name: SFCJC		
Project #: 19580		
Project Manager: M. McVey		
Sampler: E. ANDERMAN		
On Ice: ☒ Yes ☐ No		
# of Coolers: 1		
Cooler Temp (including CF): 4, 8 - 0.1 (CF) = (°C) 4.7		
Container Type and #	Preservative Type	HEAL No. 1910D87
		201
		202
Received by: [Signature]		Via: CPO
Received by: [Signature]		Date: 025/19
		Time: 1250

Analysis Request

[illegible]

Remarks:

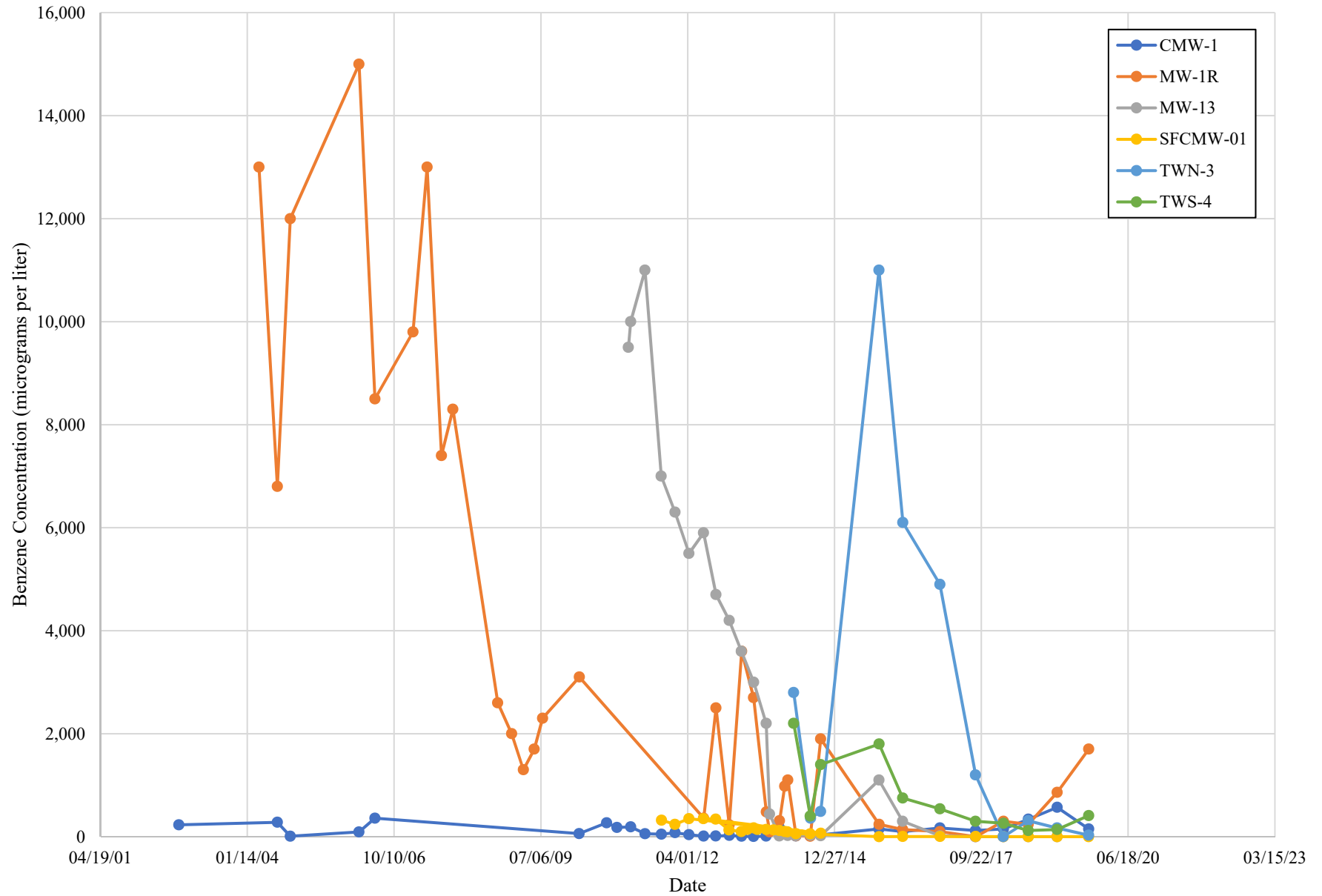
Received by:	Via: CDO	Date	Time
		10/25/19	1250

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

APPENDIX C HYDROGRAPH

APPENDIX D
BENZENE AND TOTAL NAPHTHALENE
CONCENTRATION TRENDS

Benzene Trends in Select Site Wells
Santa Fe County Judicial Complex, Santa Fe, New Mexico



Total Naphthalene Trends in Select Site Wells
Santa Fe County Judicial Complex, Santa Fe, New Mexico

